Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

February 2011

No. OCS20

TECHNICAL DATA BOOK R410A INVERTER

<Indoor unit>

[Model names]

MFZ-KA·VA
SLZ-KA·VA(L)/VAQ
SEZ-KD·VA(L)/VAQ
PLA-RP·BA
PCA-RP·KA(Q)
PEAD-RP·JA(L)(Q)

<Outdoor unit>

[Model names]

SUZ-KA25/35/50/60/71VA2

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kW Model

Mr.SLIM™

1 REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. Indoor Unit

Model name	Service Ref.	Service Manual No.
SLZ-KA25/35/50VA SLZ-KA25/35/50VAL	SLZ-KA25/35/50VA(1).TH SLZ-KA25/35/50VAL(1).TH	OC320
SEZ-KD25/35/50/60/71VA SEZ-KD25/35/50/60/71VAL	SEZ-KD25/35/50/60/71VA.TH SEZ-KD25/35/50/60/71VAL.TH	HWE07110
MFZ-KA25/35/50VA-E4	MFZ-KA25/35/50VA-E4	OB409
MFZ-KA25/35/50VA-A4	MFZ-KA25/35/50VA-A4	OB410
PLA-RP35/50/60/71BA	PLA-RP35/50/60/71BA(1).UK PLA-RP71BA2.UK	OCH412 OCB412
	PLA-RP35/50/60/71BA(1)	OCH416 OCB416
PCA-RP50/60/71KA	PCA-RP50/60/71KA	OCH454 OCB454
PEAD-RP35/50/60/71JA(L)	PEAD-RP35/50/60/71JA(L).UK PEAD-RP35/50/60/71JA(L)R1.UK	HWE08130 BWE08240 BWE09220
SLZ-KA25/35/50VAQ	SLZ-KA25/35/50VAQ.TH	OCH493 OCB493
SEZ-KD25/35/50/60/71VAQ	SEZ-KD25/35/50/60/71VAQ.TH	HWE10080 BWE10150
PCA-RP50/60/71KAQ	PCA-RP50/60/71KAQ	OCH491 OCB491
PEAD-RP35/50/60/71JAQ PEAD-RP35/50/60/71JALQ	PEAD-RP35/50/60/71JAQ PEAD-RP35/50/60/71JALQ	HWE10090 BWE10160

1-2. Outdoor Unit

Model name	Service Ref.	Service Manual No.
SUZ-KA25/35/50/60/71VA2	SUZ-KA25/35VA2.TH SUZ-KA50/60/71VA2.TH	OCH472 OCB472
SUZ-KA25/35/50/60/71VA2	SUZ-KA25/35VA2.TH-A SUZ-KA50/60/71VA2.TH-A	OCH473 OCB473

(Note)
When you connect P series indoor units with SUZ, always make sure to follow the piping size of SUZ. Never use bigger sized pipings in order to ensure not only the system performance but also for your safety.

2 SPECIFICATIONS

2-1. FLOOR STANDING TYPE

Model name	Indoor unit		MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
	Outdoor unit		SUZ-KA25VA2	SUZ-KA35VA2	SUZ-KA50VA2
Cooling	Capacity	Btu/h	8,500	11,900	16,400
		kW	2.5(0.9-3.4)	3.5(0.9-3.9)	4.8(0.9-5.4)
	Total input	kW	0.58	1.09	1.55
	EER		4.31	3.21	3.10
	Energy label class		A	A	B
	SHF		0.66	0.65	0.63
Heating	Capacity	Btu/h	11,600	13,600	20,500
		kW	3.4(0.9-5.1)	4.0(0.9-6.2)	6.0(0.9-7.9)
	Total input	kW	0.835	1.10	1.86
	COP		4.07	3.64	3.23
	Energy label class		A	A	C
	Booster heater	kW	—	—	—
Power supply	Phase	ϕ	1	1	1
	Cycle	Hz	50	50	50
	Voltage	V	230	230	230
	Breaker size	A	10	10	20
Indoor unit	Air flow at cooling	CMM	4.8 - 5.8 - 7.1 - 8.9	5.0 - 6.1 - 7.4 - 9.1	7.1 - 7.9 - 9.2 - 11.2
	(Low-Medium-High-Super High)	CFM	170 - 205 - 250 - 314	180 - 215 - 260 - 320	250 - 280 - 325 - 395
	Air flow at heating	CMM	5.0 - 6.2 - 7.6 - 9.1	5.2 - 6.2 - 7.8 - 9.5	7.4 - 8.8 - 9.8 - 12.3
	(Low-Medium-High-Super High)	CFM	180 - 220 - 270 - 320	185 - 220 - 275 - 335	260 - 310 - 345 - 434
	External static pressure	Pa	0	0	0
	Sound level at cooling (Low-Medium-High-Super High)	dB(A)	22 - 27 - 32 - 37	23 - 28 - 33 - 38	32 - 35 - 39 - 43
	Sound level at heating (Low-Medium-High-Super High)	dB(A)	22 - 27 - 32 - 37	25 - 28 - 33 - 38	32 - 35 - 39 - 44
	External finish (Panel)		White Munsell 1.0Y 9.2/0.2		
	Dimension Unit (Panel)	W : mm	700		
		D : mm	200		
		H : mm	600		
		W : inch	27 - 9/16		
		D : inch	7 - 7/8		
		H : inch	23 - 5/8		
	Weight Unit (Panel)	kg	14		
		lbs	31		
Outdoor unit	Air flow at cooling	CMM	34.3	35.2	49
	(Rated)	CFM	1,210	1,240	1,730
	Air flow at heating	CMM	33.8	33.2	49
	(Rated)	CFM	1,195	1,170	1,730
	Sound level at cooling (Rated)	dB(A)	46	47	53
	Sound level at heating (Rated)	dB(A)	46	48	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1		
	Dimension	W : mm	800	800	840
		D : mm	285	285	330
		H : mm	550	550	850
		W : inch	31 - 1/2	31 - 1/2	33 - 1/16
		D : inch	11 - 1/4	11 - 1/4	13
		H : inch	21 - 5/8	21 - 5/8	33 - 7/16
	Weight	kg	30	33	53
		lbs	66	73	117
Refrigerant pipe size	Gas side O.D.	mm	9.52	9.52	12.7
		inch	3/8	3/8	1/2
	Liquid side .	mm	6.35	6.35	6.35
		inch	1/4	1/4	1/4
Refrigerant pipe length	Height difference	m	Max. 12	Max. 12	Max. 15
	Length	m	Max. 20	Max. 20	Max. 30

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA25, KA35	KA50
Cooling	Upper limit	32°C D.B. , 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B. , 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B. , 18°C W.B.	
	Lower limit	20°C D.B.	-10°C D.B. ,-11°C W.B.	

3. Guaranteed voltage
198~264V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

2-2. CEILING CASSETTE TYPE

Model name	Indoor unit		SLZ-KA25VA(L)/VAQ	SLZ-KA35VA(L)/VAQ	SLZ-KA50VA(L)/VAQ
	Outdoor unit		SUZ-KA25VA2	SUZ-KA35VA2	SUZ-KA50VA2
Cooling	Capacity	Btu/h	8,500	11,900	15,700
		kW	2.5(0.9 - 3.2)	3.5(1.0 - 3.9)	4.6(1.1 - 5.2)
	Total input	kW	0.68	1.04	1.53
	EER		3.68	3.37	3.01
	Energy label class		A	A	B
	SHF		0.86	0.77	0.68
Heating	Capacity	Btu/h	10,900	13,600	17,100
		kW	3.2(0.9 - 4.5)	4.0(0.9 - 5.0)	5.0(0.9 - 6.5)
	Total input	kW	0.85	1.09	1.55
	COP		3.76	3.67	3.22
	Energy label class		A	A	C
	Booster heater	kW	—	—	—
Power supply	Phase	ϕ	1	1	1
	Cycle	Hz	50	50	50
	Voltage	V	230	230	230
	Breaker size	A	10	10	20
Indoor unit	Air flow (Low - Medium - High)	CMM	8 - 9 - 10	8 - 9 - 11	8 - 9 - 11
		CFM	280 - 320 - 355	280 - 320 - 390	280 - 320 - 390
	External static pressure	Pa	0	0	0
	Sound level (Low - Medium - High)	dB(A)	28 - 31 - 37	29 - 33 - 38	30 - 34 - 39
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4		
	Dimension Unit(Panel)	W : mm	570(650)		
		D : mm	570(650)		
		H : mm	235(20)		
		W : inch	22 - 7/16(25 - 9/16)		
		D : inch	22 - 7/16(25 - 9/16)		
		H : inch	9-1/4(8-3/16)		
	Weight Unit (Panel)	kg	17(3)		
		lbs	36(7)		
	Field drain pipe O.D.	mm	32		
		inch	1 - 1/4		
Outdoor unit	Air flow at cooling (Rated)	CMM	34.3	33.4	49
		CFM	1,210	1,180	1,730
	Air flow at heating (Rated)	CMM	32.3	33.4	49
		CFM	1,140	1,180	1,730
	Sound level at cooling (Rated)	dB(A)	46	47	53
	Sound level at heating (Rated)	dB(A)	46	48	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1		
	Dimension	W : mm	800	800	840
		D : mm	285	285	330
		H : mm	550	550	850
		W : inch	31 - 1/2	31 - 1/2	33 - 1/16
		D : inch	11 - 1/4	11 - 1/4	13
		H : inch	21 - 5/8	21 - 5/8	33 - 7/16
	Weight	kg	30	33	53
		lbs	66	73	117
Refrigerant pipe size	Gas side O.D.	mm	9.52	9.52	12.7
		inch	3/8	3/8	1/2
	Liquid side O.D.	mm	6.35	6.35	6.35
		inch	1/4	1/4	1/4
Refrigerant pipe length	Height difference	m	Max. 12	Max. 12	Max. 30
	Length	m	Max. 20	Max. 20	Max. 30

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA25, KA35VA	KA50
Cooling	Upper limit	32°C D.B. , 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B. , 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B. , 18°C W.B.	
	Lower limit	20°C D.B.	-10°C D.B. ,-11°C W.B.	

3. Guaranteed voltage
198~264V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

Model name	Indoor unit		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA(2)
	Outdoor unit		SUZ-KA35VA2	SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2
Cooling	Capacity	Btu/h	12,300	18,800	20,800	24,200
		kW	3.6(1.0 - 3.9)	5.5(1.1 - 5.6)	6.1(1.1 - 6.3)	7.1(0.9 - 8.1)
	Total input ※	kW	1.09	1.71	1.87	2.07(2.035)
	EER ※		3.30	3.22	3.26	3.43(3.49)
	Energy label class ※		A	A	A	A (—)
	SHF		0.84	0.81	0.76	0.73
Heating	Capacity	Btu/h	14,000	20,500	23,500	27,300
		kW	4.1(0.9 - 5.0)	6.0(0.9 - 7.2)	6.9(0.9 - 8.0)	8.0(0.9 - 10.2)
	Total input ※	kW	1.04	1.64	1.97	2.19(2.17)
	COP ※		3.94	3.66	3.50	3.65(3.69)
	Energy label class ※		A	A	B	A (—)
	Booster heater	kW	—	—	—	—
Power supply	Phase	ϕ	1	1	1	1
	Cycle	Hz	50	50	50	50
	Voltage	V	230	230	230	230
	Breaker size	A	10	20	20	20
Indoor unit	Air flow	CMM	11 - 12 - 13 - 15	12 - 14 - 16 - 18	12 - 14 - 16 - 18	14 - 16 - 18 - 21
	(Low-Medium2-Medium1-High)	CFM	390 - 425 - 460 - 530	425 - 495 - 565 - 635	425 - 495 - 565 - 635	495 - 565 - 635 - 740
	External static pressure	Pa	0	0	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	27 - 28 - 29 - 31	28 - 29 - 31 - 32	28 - 29 - 31 - 32	28 - 30 - 32 - 34
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4			
	Dimension Unit (Panel)	W : mm	840 (950)			
		D : mm	840 (950)			
		H : mm	258 (35)			
		W : inch	33 - 1/16 (37 - 3/8)			
		D : inch	33 - 1/16 (37 - 3/8)			
		H : inch	10 - 3/16 (1 - 3/8)			
	Weight	kg	22 (6)		23 (6)	
	Unit (Panel)	lbs	49 (13)		51 (13)	
	Field drain pipe O.D.	mm	32			
		inch	1 - 1/4			
Outdoor unit	Air flow at cooling	CMM	33.4	49	49	50.1
	(Rated)	CFM	1,180	1,730	1,730	1,770
	Air flow at heating	CMM	33.4	49	49	48.2
	(Rated)	CFM	1,180	1,730	1,730	1,700
	Sound level at cooling (Rated)	dB(A)	47	53	53	55
	Sound level at heating (Rated)	dB(A)	48	55	55	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1			
	Dimension	W : mm	800	840	840	840
		D : mm	285	330	330	330
		H : mm	550	850	850	880
		W : inch	31 - 1/2	33 - 1/16	33 - 1/16	33 - 1/16
		D : inch	11 - 1/4	13	13	13
		H : inch	21 - 5/8	33 - 7/16	33 - 7/16	34 - 5/8
	Weight	kg	33	53	53	53
		lbs	73	117	117	117
Refrigerant pipe size	Gas side O.D.	mm	9.52	12.7	15.88	15.88
		inch	3/8	1/2	5/8	5/8
	Liquid side O.D.	mm	6.35	6.35	6.35	9.52
		inch	1/4	1/4	1/4	3/8
Refrigerant pipe length	Height difference	m	Max. 12	Max. 30	Max. 30	Max. 30
	Length	m	Max. 20	Max. 30	Max. 30	Max. 30

※ The values in the parentheses indicate the specification values for PLA-RP71BA2.

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA35VA	KA50, KA60, KA71
Cooling	Upper limit	32°C D.B. , 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B. , 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B. , 18°C W.B.	
	Lower limit	20°C D.B.	-10°C D.B. ,-11°C W.B.	

3. Guaranteed voltage
198~264V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

2-3. CEILING-SUSPENDED TYPE

Model name	Indoor unit		PCA-RP50KA(Q)	PCA-RP60KA(Q)	PCA-RP71KA(Q)
	Outdoor unit		SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2
Cooling	Capacity	Btu/h	17,100	19,400	24,200
		kW	5.0(1.1-5.6)	5.7(1.1-6.3)	7.1(0.9-8.1)
	Total input	kW	1.66	1.77	2.06
	EER		3.01	3.22	3.45
	Energy label class		B	A	A
	SHF		0.79	0.81	0.76
Heating	Capacity	Btu/h	18,800	23,500	27,000
		kW	5.5(0.9-6.6)	6.9(0.9-8.0)	7.9(0.9-10.2)
	Total input	kW	1.71	2.02	1.96
	COP		3.22	3.42	4.03
	Energy label class		C	B	A
	Booster heater	kW	—	—	—
Power supply	Phase	ϕ	1	1	1
	Cycle	Hz	50	50	50
	Voltage	V	230	230	230
	Breaker size	A	20	20	20
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	10 - 11 - 13 - 15	15 - 16 - 17 - 19	16 - 17 - 18 - 20
		CFM	355 - 390 - 460 - 530	530 - 565 - 600 - 670	565 - 600 - 635 - 705
	External static pressure	Pa	0	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	32 - 34 - 37 - 40	33 - 35 - 37 - 40	35 - 37 - 39 - 41
	External finish		White Munsell 6.4Y 8.9/0.4		
	Dimension	W : mm	960	1,280	1,280
		D : mm	680	680	680
		H : mm	230	230	230
		W : inch	37 - 13/16	50 - 3/8	50 - 3/8
		D : inch	26 - 3/4	26 - 34	26 - 3/4
		H : inch	9 - 1/16	9 - 1/16	9 - 1/16
	Weight	kg	25	32	32
		lbs	55	71	71
	Field drain pipe O.D.	mm	26	26	26
		inch	1	1	1
Outdoor unit	Air flow at cooling (Rated)	CMM	49	49	50.1
		CFM	1,730	1,730	1,770
	Air flow at heating (Rated)	CMM	49	49	48.2
		CFM	1,730	1,730	1,700
	Sound level at cooling (Rated)	dB(A)	53	53	55
	Sound level at heating (Rated)	dB(A)	55	55	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1		
	Dimension	W : mm	840	840	840
		D : mm	330	330	330
		H : mm	850	850	880
		W : inch	33 - 1/16	33 - 1/16	33 - 1/16
		D : inch	13	13	13
		H : inch	33 - 7/16	33 - 7/16	34 - 5/8
	Weight	kg	53	53	53
		lbs	117	117	117
Refrigerant pipe size	Gas side O.D.	mm	12.7	15.88	15.88
		inch	1/2	5/8	5/8
	Liquid side O.D.	mm	6.35	6.35	9.52
		inch	1/4	1/4	3/8
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	Max. 30
	Length	m	Max. 30	Max. 30	Max. 30

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	32°C D.B., 23°C W.B.	43°C D.B.
	Lower limit	21°C D.B., 15°C W.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B., 18°C W.B.
	Lower limit	20°C D.B.	-10°C D.B., -11°C W.B.

3. Guaranteed voltage
198~264V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

2-4. CEILING-CONCEALED TYPE

Model name	Indoor unit		SEZ-KD25VA(L)/VAQ	SEZ-KD35VA(L)/VAQ	SEZ-KD50VA(L)/VAQ	SEZ-KD60VA(L)/VAQ	SEZ-KD71VA(L)/VAQ
	Outdoor unit		SUZ-KA25VA2	SUZ-KA35VA2	SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2
Cooling	Capacity	Btu/h	8,500	12,600	17,400	19,100	24,200
		kW	2.5(0.9 - 3.2)	3.7(1.0 - 3.9)	5.1(1.1 - 5.6)	5.6(1.1 - 6.3)	7.1(0.9 - 8.3)
	Total input	kW	0.75	1.09	1.64	1.86	2.36
	EER		3.33	3.39	3.11	3.01	3.01
	Energy label class		A	A	B	B	B
	SHF		0.80	0.78	0.76	0.79	0.74
Heating	Capacity	Btu/h	10,200	14,300	21,800	25,200	27,600
		kW	3.0(0.9 - 4.5)	4.2(0.9 - 5.0)	6.4(1.1 - 7.2)	7.4(0.9 - 8.0)	8.1(0.9 - 10.4)
	Total input	kW	0.83	1.13	1.81	2.11	2.18
	COP		3.72	3.72	3.54	3.51	3.72
	Energy label class		A	A	B	B	A
	Booster heater	kW	—	—	—	—	—
Power supply	Phase	ϕ	1	1	1	1	1
	Cycle	Hz	50	50	50	50	50
	Voltage	V	230	230	230	230	230
	Breaker size	A	10	10	20	20	20
Indoor unit	Air flow	CMM	5.5 - 7.0 - 9.0	7.0 - 9.0 - 11.0	10.0 - 12.5 - 15.0	12.0 - 15.0 - 18.0	12.0 - 16.0 - 20.0
	(Low - Medium - High)	CFM	190 - 250 - 320	250 - 320 - 390	350 - 440 - 530	420 - 530 - 640	420 - 570 - 710
	External static pressure	Pa	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50
	Sound level (Low - Medium - High)	dB(A)	23 - 26 -30	23 - 28 -33	30 - 34 -37	30 - 34 -38	30 - 35 -40
	External finish		Galvanized sheets				
	Dimension	W : mm	790	990	990	1190	1190
		D : mm	700	700	700	700	700
		H : mm	200	200	200	200	200
		W : inch	31 - 1/8	39	39	46 - 27/32	46 - 27/32
		D : inch	27 - 9/16	27 - 9/16	27 - 9/16	27 - 9/16	27 - 9/16
		H : inch	7 - 7/8	7 - 7/8	7 - 7/8	7 - 7/8	7 - 7/8
	Weight	kg	18	21	23	27	27
		lbs	40	47	51	60	60
	Field drain pipe O.D.	mm	32				
		inch	1 - 9/32				
Outdoor unit	Air flow at cooling	CMM	34.3	33.4	49	49	50.1
	(Rated)	CFM	1,210	1,180	1,730	1,730	1,770
	Air flow at heating	CMM	32.3	33.4	49	49	48.2
	(Rated)	CFM	1,140	1,180	1,730	1,730	1,700
	Sound level at cooling (Rated)	dB(A)	46	47	53	53	55
	Sound level at heating (Rated)	dB(A)	46	48	55	55	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1				
	Dimension	W : mm	800	800	840	840	840
		D : mm	285	285	330	330	330
		H : mm	550	550	850	850	880
		W : inch	31 - 1/2	31 - 1/2	33 - 1/16	33 - 1/16	33 - 1/16
		D : inch	11 - 1/4	11 - 1/4	13	13	13
		H : inch	21 - 5/8	21 - 5/8	33 - 7/16	33 - 7/16	34 - 5/8
	Weight	kg	30	33	53	53	53
		lbs	66	73	117	117	117
Refrigerant pipe size	Gas side O.D.	mm	9.52	9.52	12.7	15.88	15.88
		inch	3/8	3/8	1/2	5/8	5/8
	Liquid side O.D.	mm	6.35	6.35	6.35	6.35	9.52
		inch	1/4	1/4	1/4	1/4	3/8
Refrigerant pipe length	Height difference	m	Max. 12	Max. 12	Max. 30	Max. 30	Max. 30
	Length	m	Max. 20	Max. 20	Max. 30	Max. 30	Max. 30

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA25, KA35VA	KA50, KA60, KA71
Cooling	Upper limit	32°C D.B. , 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B. , 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B. , 18°C W.B.	
	Lower limit	20°C D.B.	-10°C D.B. ,-11°C W.B.	

3. Guaranteed voltage
198~264V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

Model name	Indoor unit		PEAD-RP35JA(L)(Q)	PEAD-RP50JA(L)(Q)	PEAD-RP60JA(L)(Q)	PEAD-RP71JA(L)(Q)
	Outdoor unit		SUZ-KA35VA2	SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2
Cooling	Capacity	Btu/h	12,300	16,700	19,400	24,200
		kW	3.6 (1.0-3.9)	4.9 (1.1-5.6)	5.7 (1.1-6.3)	7.1 (0.9-8.1)
	Total input ※	kW	1.06 (1.04)	1.52 (1.50)	1.68 (1.66)	2.10 (2.08)
	EER ※		3.40 (3.46)	3.22 (3.27)	3.39 (3.43)	3.38 (3.41)
	Energy label class		A	A	A	A
	SHF		0.85	0.85	0.86	0.83
Heating	Capacity	Btu/h	14,000	20,100	23,900	27,300
		kW	4.1 (0.9-5.0)	5.9 (0.9-7.2)	7.0 (0.9-8.0)	8.0 (0.9-10.2)
	Total input	kW	1.11	1.62	1.94	2.04
	COP		3.69	3.64	3.61	3.92
	Energy label class		A	A	A	A
	Booster heater	kW	—	—	—	—
Power supply	Phase	ϕ	1	1	1	1
	Cycle	Hz	50	50	50	50
	Voltage	V	230	230	230	230
	Breaker size	A	16	20	20	20
Indoor unit	Air flow	CMM	10 - 12 - 14	12 - 14.5 - 17	14.5 - 18 - 21	17.5 - 21 - 25
	(Low - High)	CFM	353 - 424 - 494	424 - 512 - 600	512 - 636 - 742	618 - 742 - 883
	External static pressure	Pa	35/50/70/100/150		35/50/70/100/150	
	Sound level (Low - High)	dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34
	External finish		Galvanized sheets		Galvanized sheets	
	Dimension	W : mm	900		1,100	
		D : mm	732		732	
		H : mm	250		250	
		W : inch	35 - 7/16		43 - 5/16	
		D : inch	28 - 7/8		28 - 7/8	
		H : inch	9 - 7/8		9 - 7/8	
	Weight ※	kg	26 (25)	28 (27)	33 (32)	33 (32)
		lbs	58 (56)	62 (60)	73 (71)	73 (71)
	Field drain pipe O.D.	mm	32			
		inch	1 - 1/4			
Outdoor unit	Air flow at cooling (Rated)	CMM	33.4	49	49	50.1
		CFM	1,180	1,730	1,730	1,770
	Air flow at heating (Rated)	CMM	33.4	49	49	48.2
		CFM	1,180	1,730	1,730	1,700
	Sound level at cooling (Rated)	dB(A)	47	53	53	55
	Sound level at heating (Rated)	dB(A)	48	55	55	55
	External finish		Ivory Munsell 3.0Y 7.8/1.1			
	Dimension	W : mm	800	840	840	840
		D : mm	285	330	330	330
		H : mm	550	850	850	880
		W : inch	31 - 1/2	33 - 1/16	33 - 1/16	33 - 1/16
		D : inch	11 - 1/4	13	13	13
		H : inch	21 - 5/8	33 - 7/16	33 - 7/16	34 - 5/8
	Weight	kg	33	53	53	53
		lbs	76	117	117	117
Refrigerant pipe size	Gas side O.D.	mm	9.52	12.7	15.88	15.88
		inch	3/8	1/2	5/8	5/8
	Liquid side O.D.	mm	6.35	6.35	6.35	9.52
		inch	1/4	1/4	1/4	3/8
Refrigerant pipe length	Height difference	m	Max. 12	Max. 30	Max. 30	Max. 30
	Length	m	Max. 20	Max. 30	Max. 30	Max. 30

※ The values in the parentheses indicate the specification values for PEAD-RP·JAL(Q).

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA25, KA35VA	KA50, KA60, KA71
Cooling	Upper limit	32°C D.B. , 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B. , 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B. , 18°C W.B.	
	Lower limit	20°C D.B.	-10°C D.B. ,-11°C W.B.	

3. Guaranteed voltage
198~264V, 50Hz

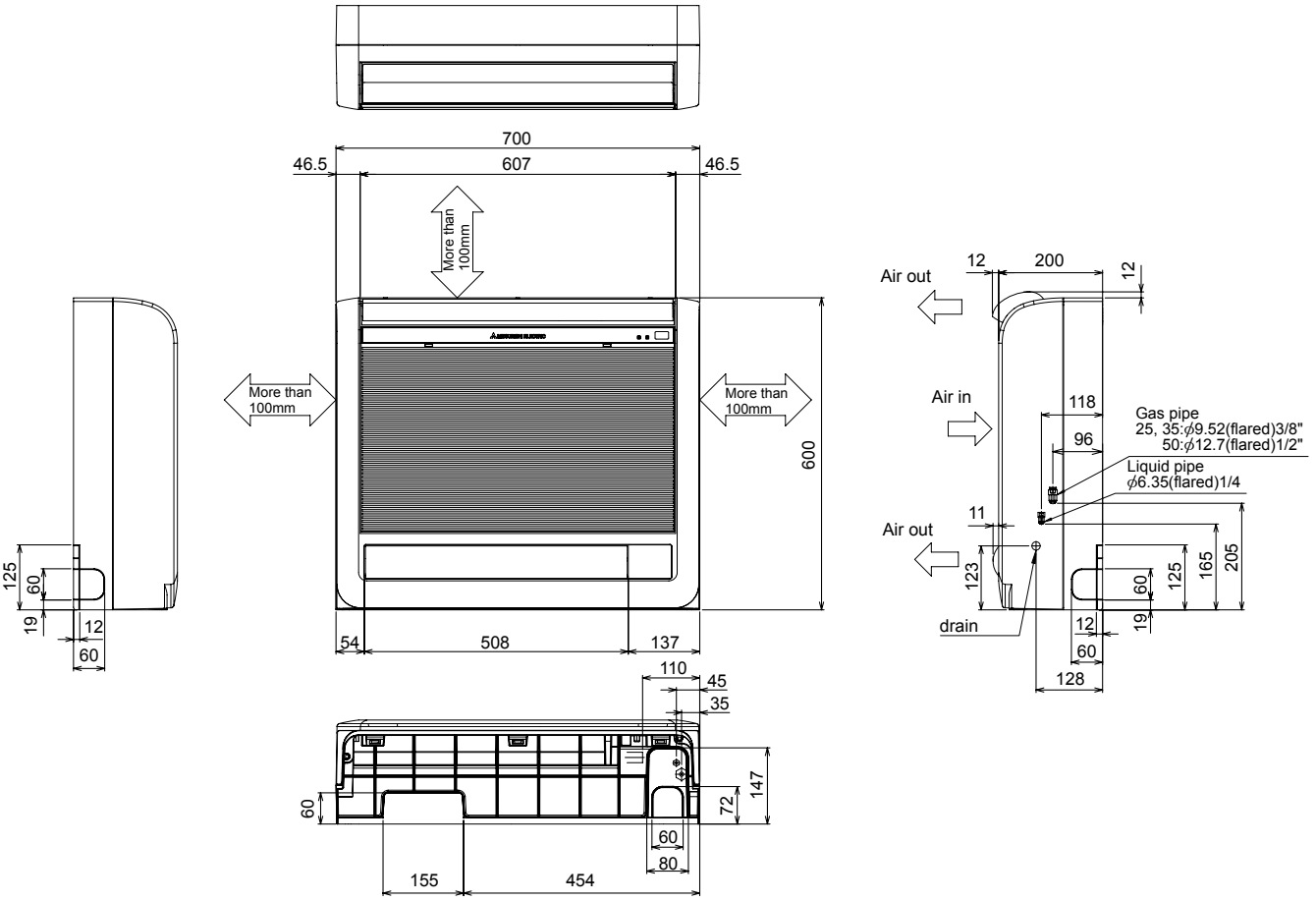
4. Above data are based on the indicated voltage.
Indoor unit Single phase, 230V 50Hz
Outdoor unit Single phase, 230V 50Hz

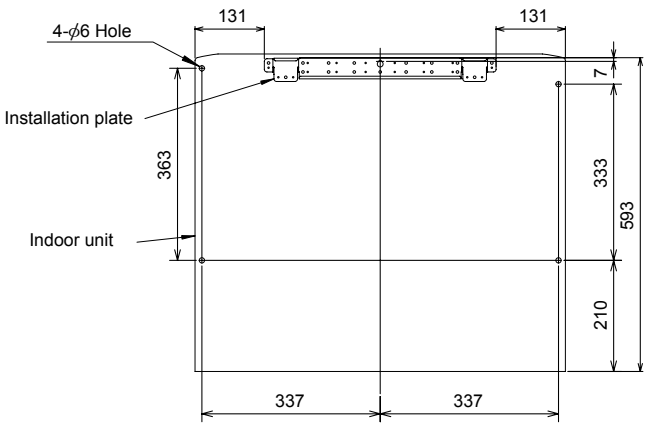
3 OUTLINES AND DIMENSIONS

INDOOR UNIT

Unit : mm

MFZ-KA25VA
MFZ-KA35VA
MFZ-KA50VA

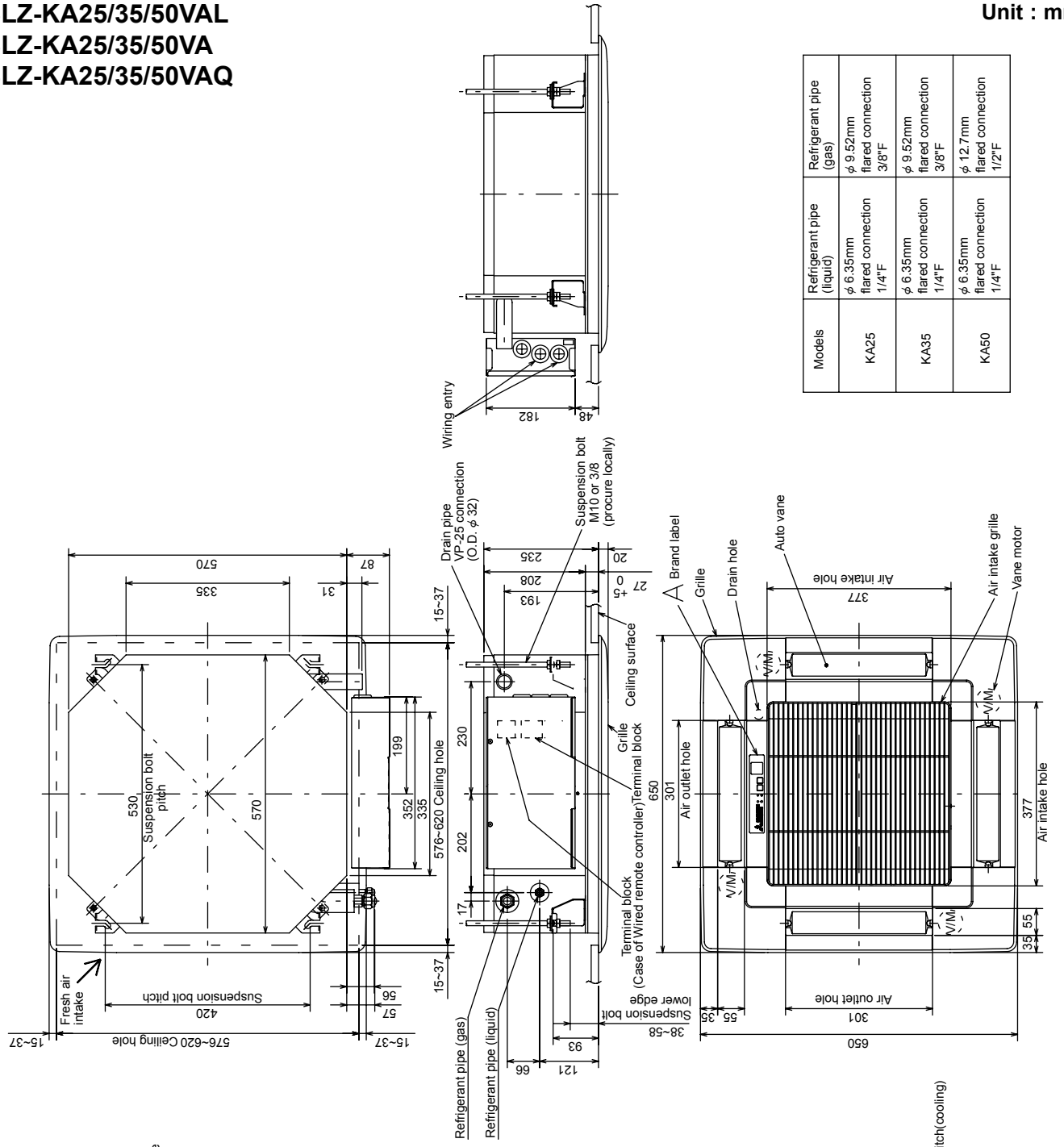




SLZ-KA25/35/50VAL
SLZ-KA25/35/50VA
SLZ-KA25/35/50VAQ

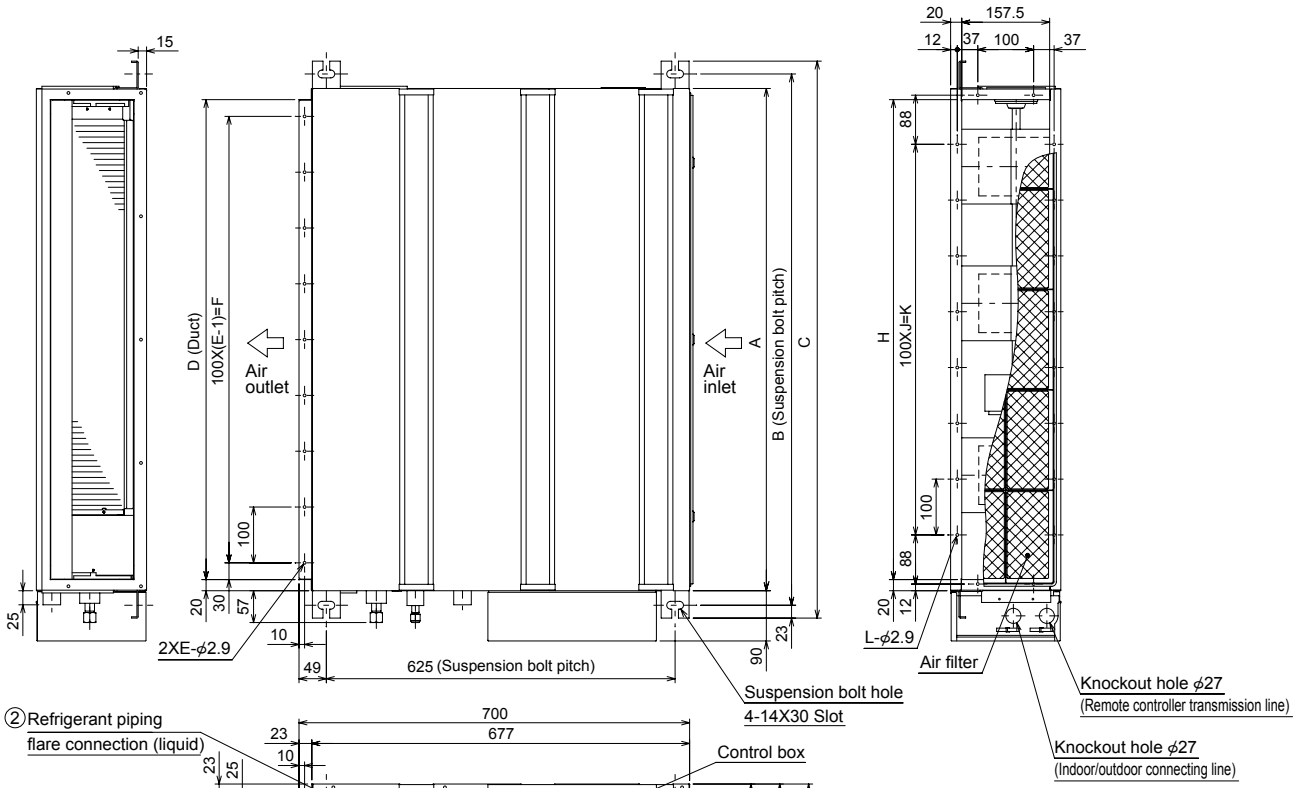
Unit : mm

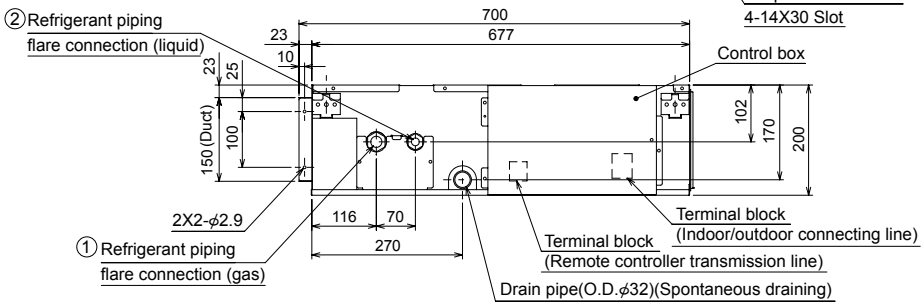
Models	Refrigerant pipe (liquid)	Refrigerant pipe (gas)
KA25	ϕ 6.35mm flared connection 1/4"F	ϕ 9.52mm flared connection 3/8"F
KA35	ϕ 6.35mm flared connection 1/4"F	ϕ 9.52mm flared connection 3/8"F
KA50	ϕ 6.35mm flared connection 1/4"F	ϕ 12.7mm flared connection 1/2"F

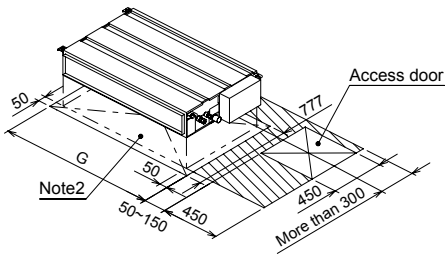


SEZ-KD25/35/50/60/71VAL
SEZ-KD25/35/50/60/71VA
SEZ-KD25/35/50/60/71VAQ

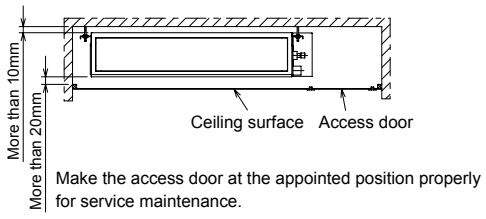
Unit : mm







Required space for service and maintenance

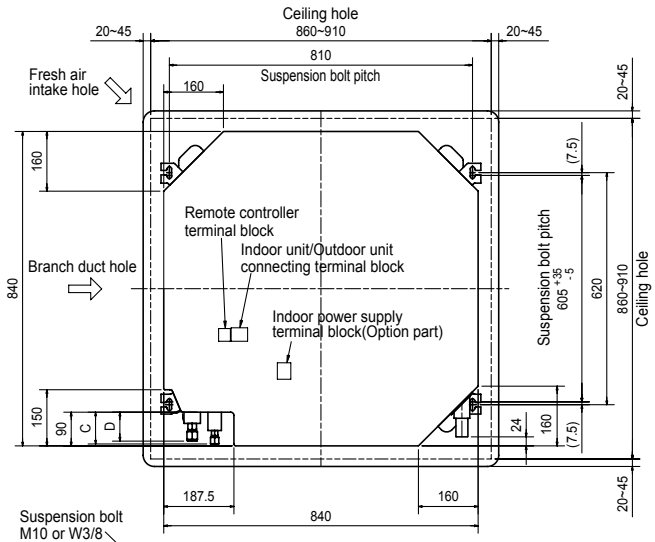


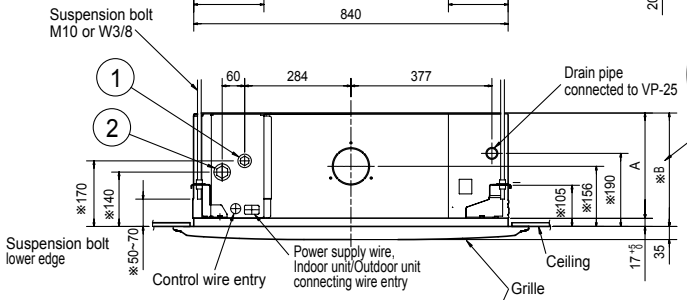
Make the access door at the appointed position properly for service maintenance.

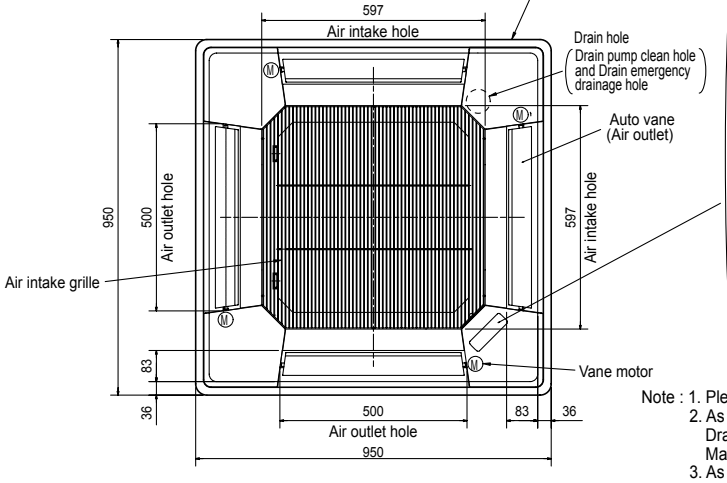
Model	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe	② Liquid pipe
SEZ-KD25VA(L)(Q)	700	752	798	660	7	600	800	660	5	500	16	φ9.52	φ6.35
SEZ-KD35VA(L)(Q)	900	952	998	860	9	800	1000	860	7	700	20	φ12.7	
SEZ-KD50VA(L)(Q)													
SEZ-KD60VA(L)(Q)	1100	1152	1198	1060	11	1000	1200	1060	9	900	24	φ15.88	
SEZ-KD71VA(L)(Q)													φ9.52

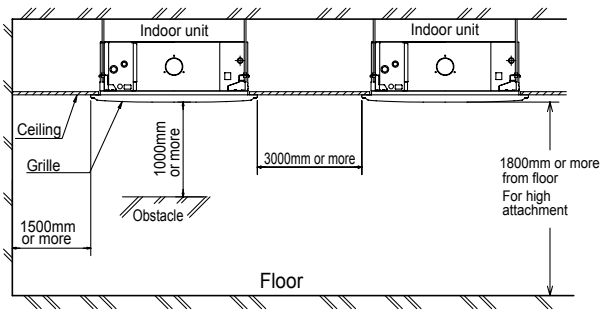
Note1.Use M10 screw for the suspension bolt (field supply).
2.Keep the service space for the maintenance at the bottom.
3.This chart indicates for SEZ-KD50VA(L)(Q) model,which has 3 fans.
SEZ-KD25,35VA(L)(Q) models have 2 fans.
SEZ-KD60,71VA(L)(Q) models have 4 fans.
4.In case an inlet duct is used,remove the air filter(supply with the unit), then install the filter(field supply) at suction side.

PLA-RP35BA PLA-RP50BA PLA-RP60BA PLA-RP71BA PLA-RP71BA2 Unit : mm

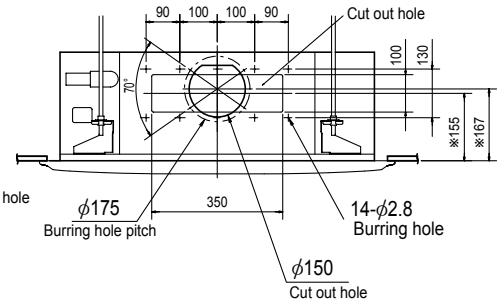




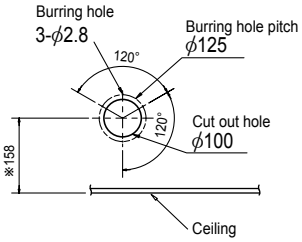




Detail connecting of branch duct(Both aspects)



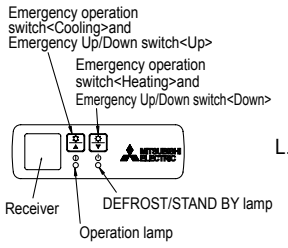
Detail drawing of fresh air intake hole



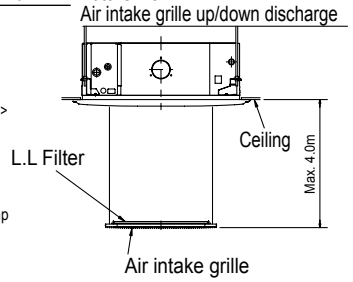
In case of standard grille : PLP-6BA / PLP-6BAMD

In case of Auto-Grille : PLP-6BAJ

In case of wireless remote controller : PLP-6BALM



Auto Grille
Air intake grille up/down discharge

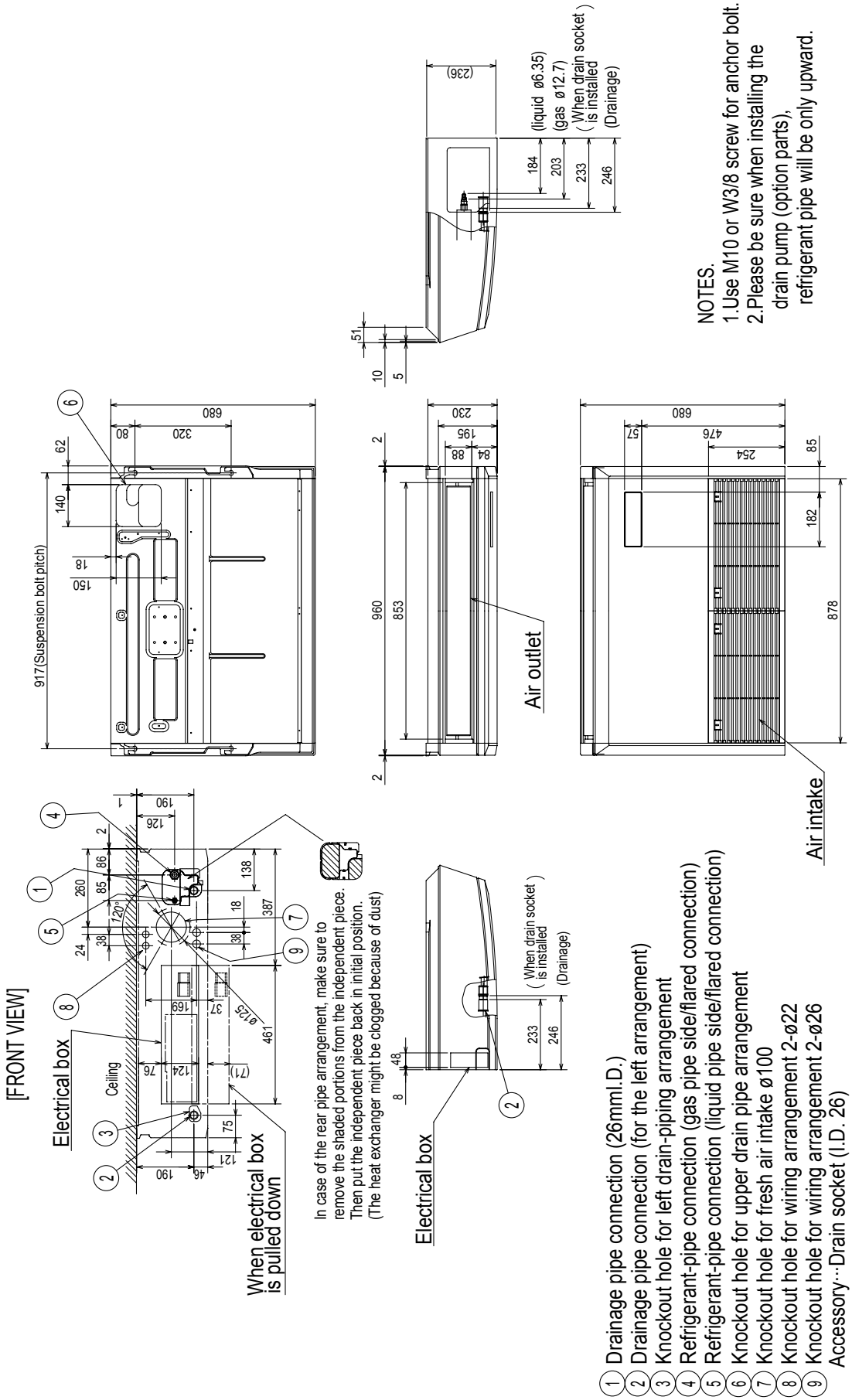


Note : 1. Please choose the Grille from a standard grille, auto-grille.
2. As for drain pipe, please use VP-25(O.D. ϕ32 PVC TUBE).
Drain pump is included.
Max. lifting height is 850mm from the ceiling.
3. As for suspension bolt, please use M10 or W3/8. (Procured at local site)
4. Electrical box may be removed for the service purpose.
Make sure to slack the electrical wire little bit for control/ power wires connection.
5. The height of the indoor unit is able to be adjusted with the grille attached.
6. For the installation of the optional high efficiency filter or optional multi-functional casement.
1) Requires E or more space between transom and ceiling for the installation.
2) Add 135 mm to the dimensions ※ marked on the figure.
3) The optional high efficiency filter must be used jointly with optional multi-functional casement.
7. When installing the branch ducts, be sure to insulate adequately.
Otherwise condensation and dripping may occur.
(It becomes the cause of dew drops/water dew.)
8. As for necessary installation/service space, please refer to the left figure.

Models	①	②	A	B	C	D	E
PLA-RP35/50BA	Refrigerant pipe ···ϕ6.35 Flared connection ···1/4 inch	Refrigerant pipe ···ϕ12.7 Flared connection ··1/2 inch	241	258	80	74	400
PLA-RP60BA	Refrigerant pipe ϕ6.35 Flared connection 1/4 inch	Refrigerant pipe ···ϕ15.88 Flared connection ···5/8 inch			87		
PLA-RP71BA PLA-RP71BA2	Refrigerant pipe ···ϕ9.52 Flared connection ···3/8 inch				85	77	

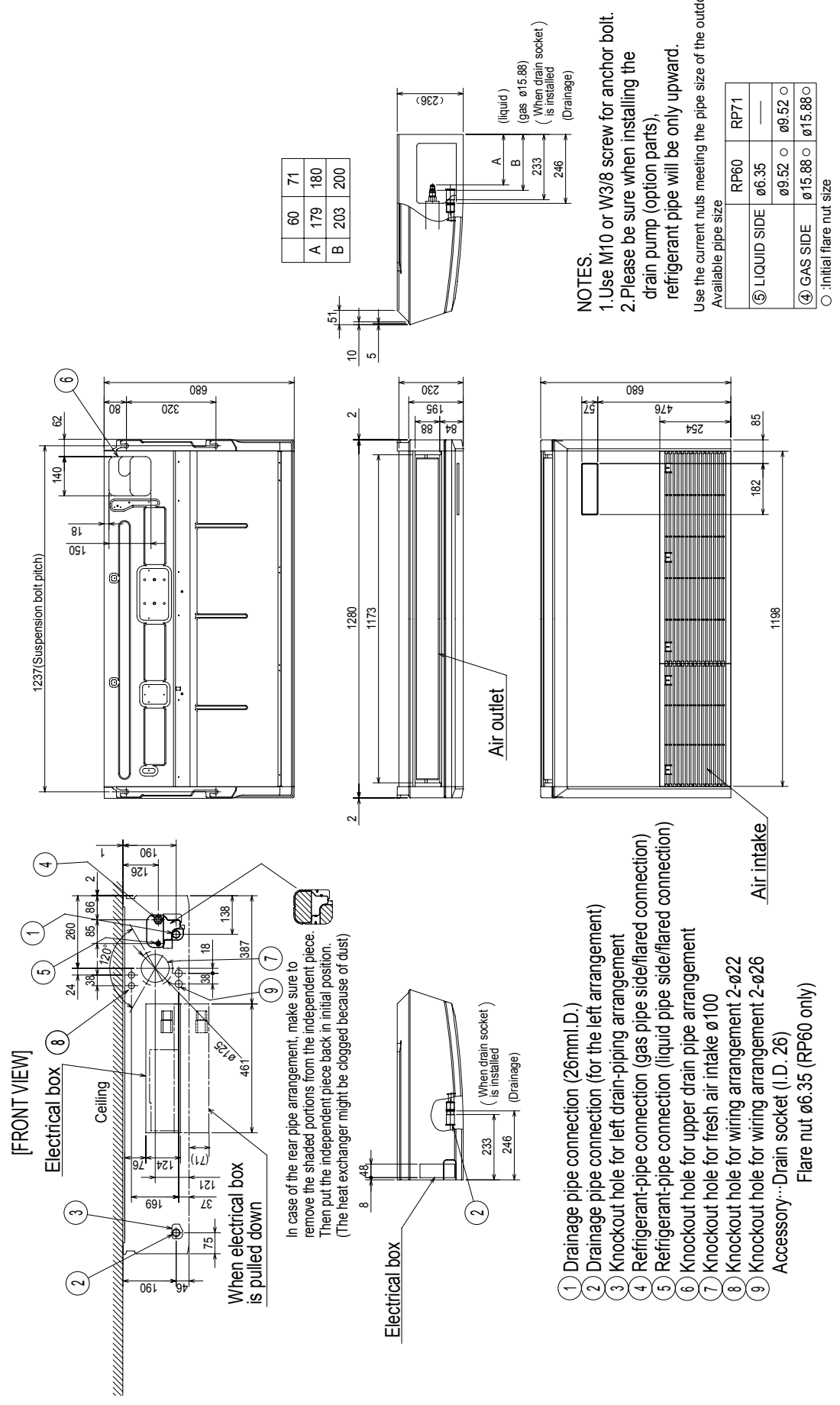
PCA-RP50KA
PCA-RP50KAQ

Unit : mm


[FRONT VIEW]
Electrical box
Ceiling
When electrical box is pulled down
In case of the rear pipe arrangement, make sure to remove the shaded portions from the independent piece. Then put the independent piece back in initial position. (The heat exchanger might be clogged because of dust)
Electrical box
(When drain socket is installed (Drainage)
Air outlet
Air intake
NOTES.
1.Use M10 or W3/8 screw for anchor bolt.
2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.
(liquid ø6.35)
(gas ø12.7)
(When drain socket is installed (Drainage)
917(Suspension bolt pitch)
① Drainage pipe connection (26mmI.D.)
② Drainage pipe connection (for the left arrangement)
③ Knockout hole for left drain-piping arrangement
④ Refrigerant-pipe connection (gas pipe side/flared connection)
⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
⑥ Knockout hole for upper drain pipe arrangement
⑦ Knockout hole for fresh air intake ø100
⑧ Knockout hole for wiring arrangement 2-ø22
⑨ Knockout hole for wiring arrangement 2-ø26
Accessory···Drain socket (I.D. 26)

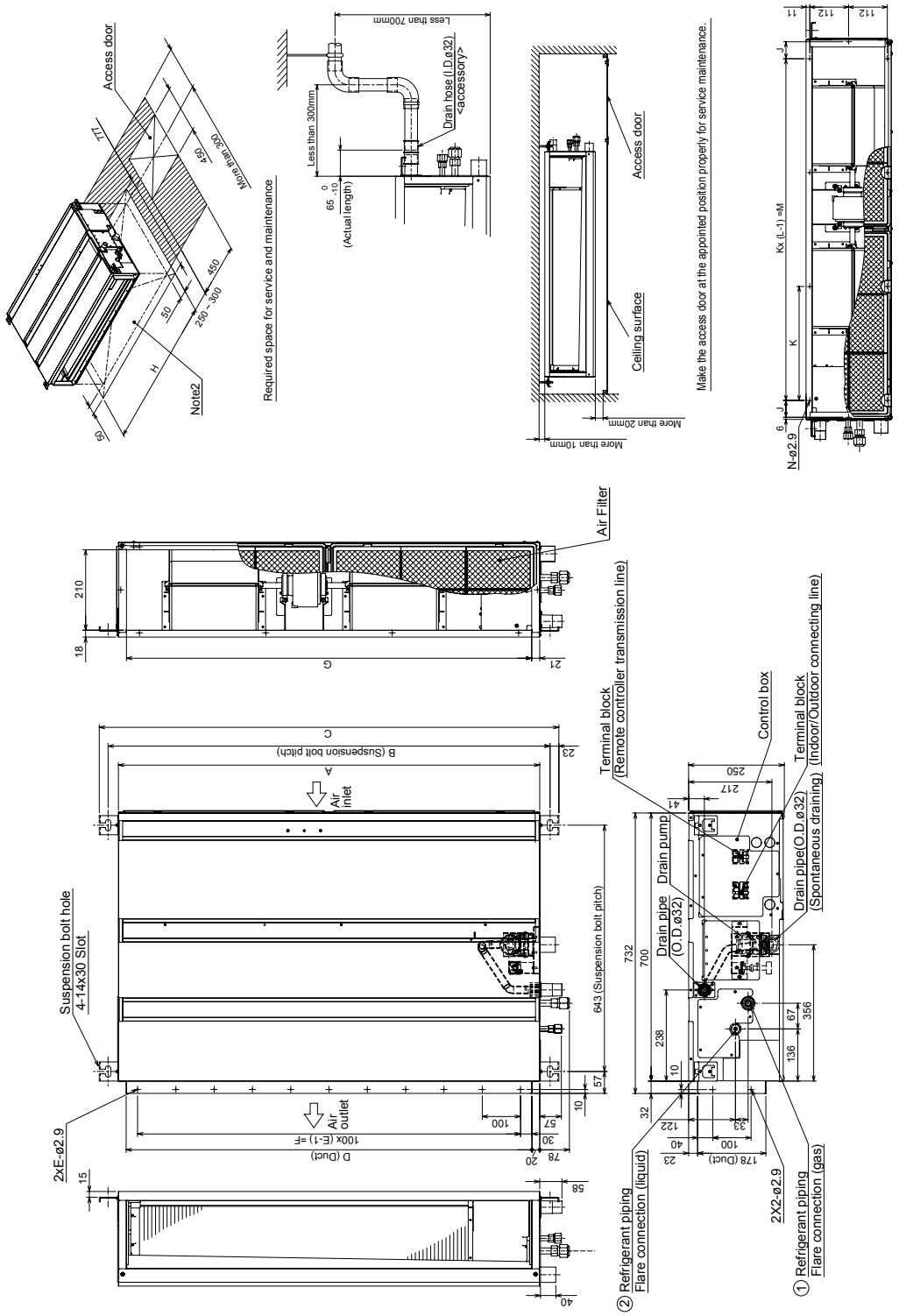
PCA-RP60/71KA
PCA-RP60/71KAQ

Unit : mm


NOTES.
1.Use M10 or W3/8 screw for anchor bolt.
2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.
Use the current nuts meeting the pipe size of the outdoor unit.
Available pipe size
RP60 RP71
⑤ LIQUID SIDE ø6.35 —
ø9.52 ○ ø9.52 ○
④ GAS SIDE ø15.88○ ø15.88○
○ :Initial flare nut size
60 71
A 179 180
B 203 200
(liquid) (gas ø15.88) (When drain socket is installed) (Drainage)
Air outlet
Air intake
[FRONT VIEW]
Electrical box
Ceiling
When electrical box is pulled down
In case of the rear pipe arrangement, make sure to remove the shaded portions from the independent piece. Then put the independent piece back in initial position. (The heat exchanger might be clogged because of dust)
Electrical box
① Drainage pipe connection (26mmI.D.)
② Drainage pipe connection (for the left arrangement)
③ Knockout hole for left drain-piping arrangement
④ Refrigerant-pipe connection (gas pipe side/flared connection)
⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
⑥ Knockout hole for upper drain pipe arrangement
⑦ Knockout hole for fresh air intake ø100
⑧ Knockout hole for wiring arrangement 2-ø22
⑨ Knockout hole for wiring arrangement 2-ø26
Accessory···Drain socket (I.D. 26)
Flare nut ø6.35 (RP60 only)

PEAD-RP35/50/60/71JA
PEAD-RP35/50/60/71JAQ

Unit : mm

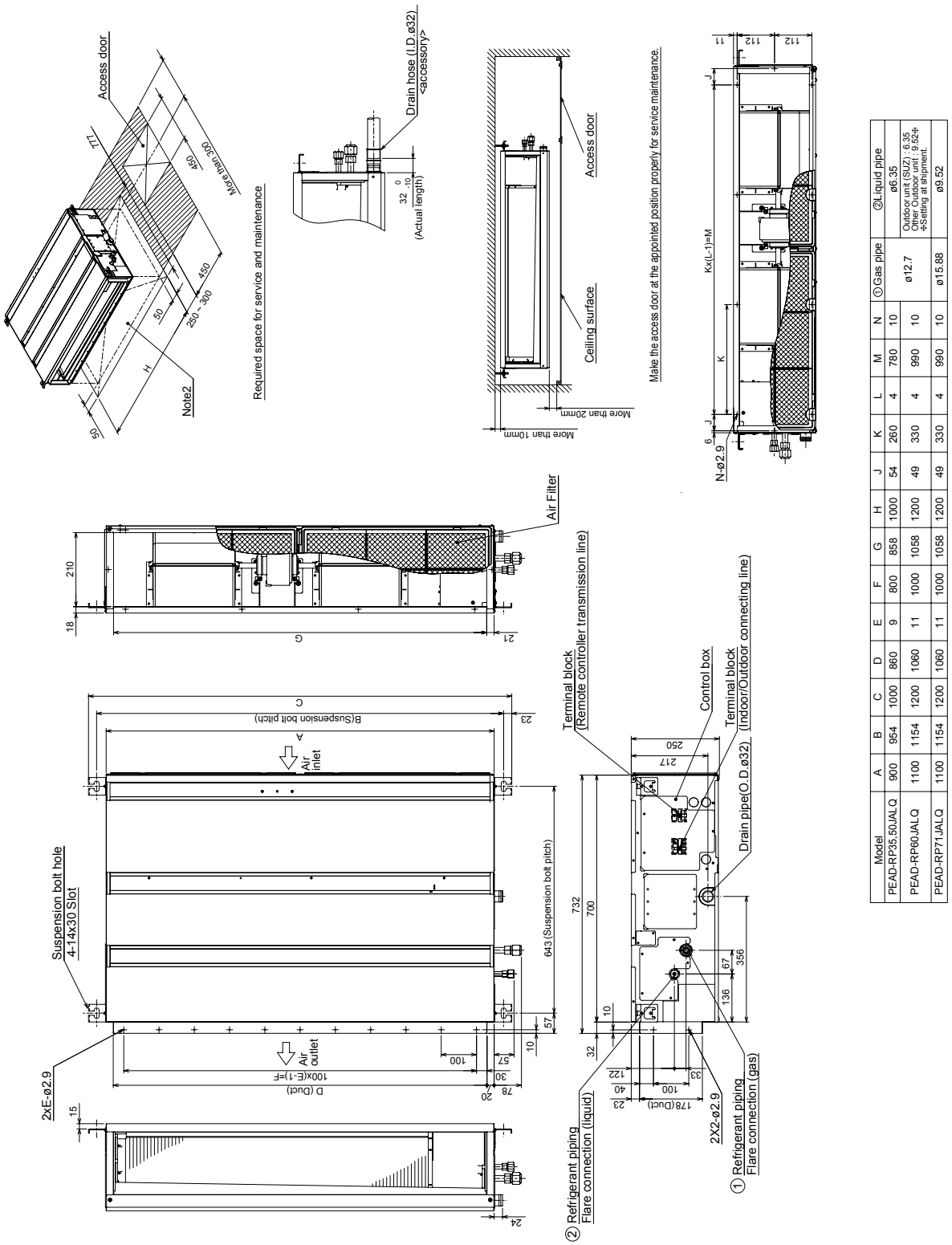


Model	A	B	C	D	E	F	G	H	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-RP35,50JA(Q)	900	954	1000	860	9	800	858	1000	54	260	4	780	10	ø12.7	ø6.35 Outdoor unit (SUZ) : ø6.35 Other Outdoor unit : ø9.52‡ ‡Setting at shipment.
PEAD-RP60JA(Q)	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10		
PEAD-RP71JA(Q)	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10	ø15.88	ø9.52

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-RP60·71JA(Q) models,which have 2 fans. PEAD-RP35·50JA(Q) models have 1 fan.
4. In case of the inlet duct is used,remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

PEAD-RP35/50/60/71JAL
PEAD-RP35/50/60/71JALQ

Unit : mm



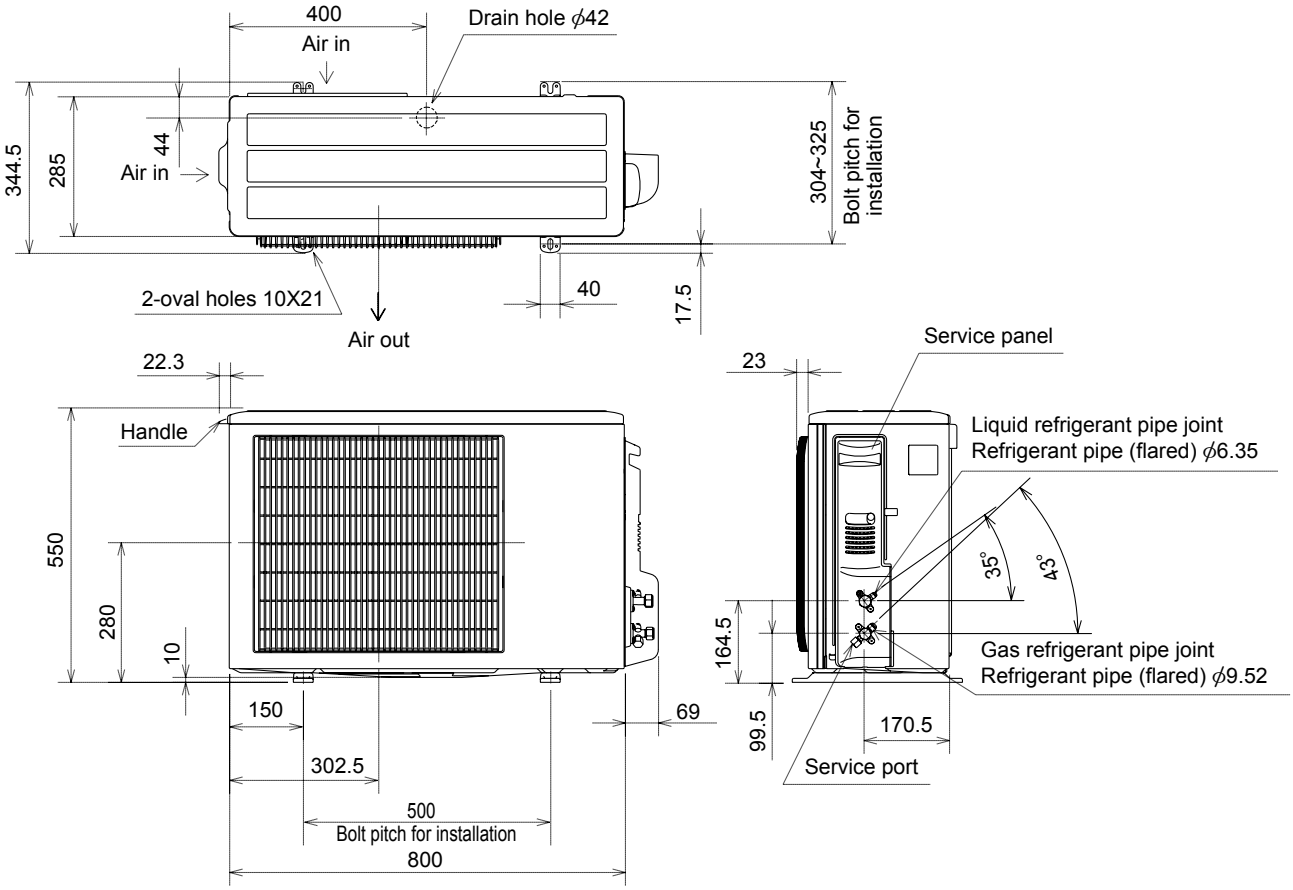
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-RP35,50JALQ	900	954	1000	860	9	800	858	1000	54	260	4	780	10	ø12.7	ø6.35 Outdoor unit (SUZ) : 6.35 Other Outdoor unit : 9.52* *Setting at shipment.
PEAD-RP60JALQ	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10		
PEAD-RP71JALQ	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10	ø15.88	ø9.52

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-RP60·71JAL(Q) models, which have 2 fans. PEAD-RP35·50JAL(Q) models have 1 fan.
4. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

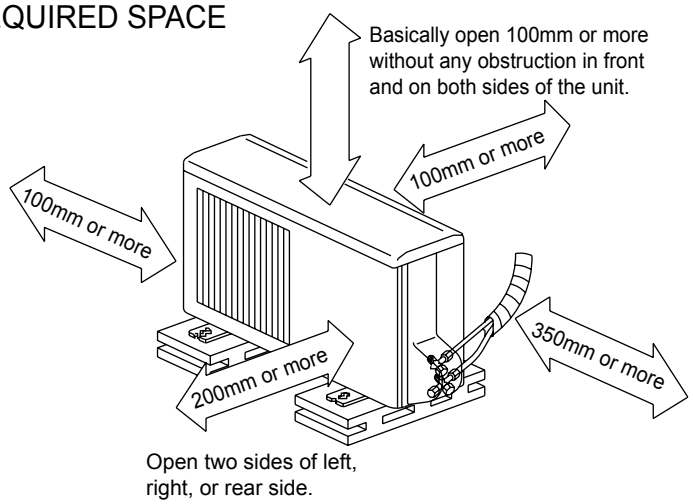
OUTDOOR UNIT

SUZ-KA25VA2
SUZ-KA35VA2

Unit: mm

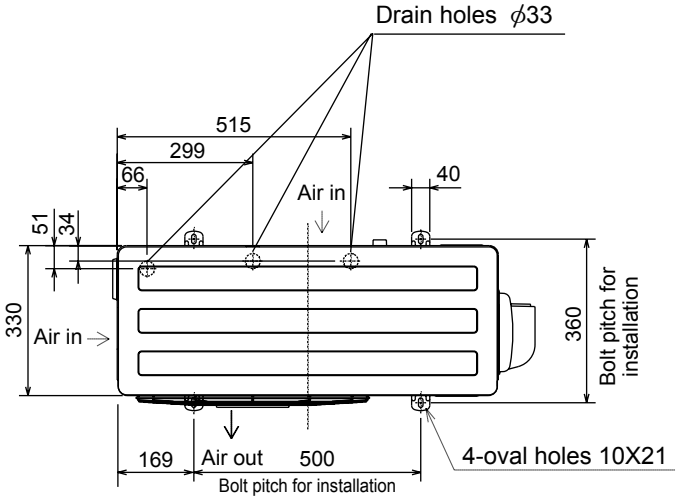


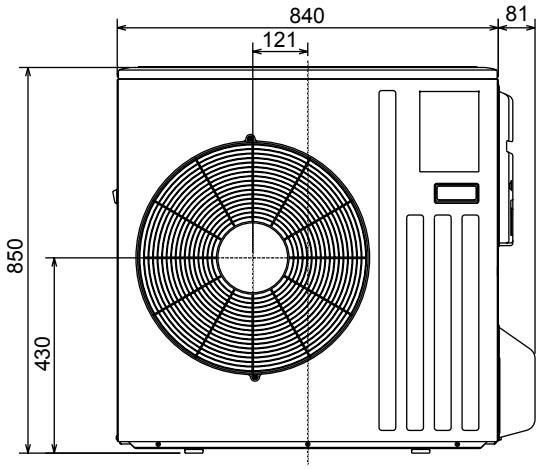
REQUIRED SPACE

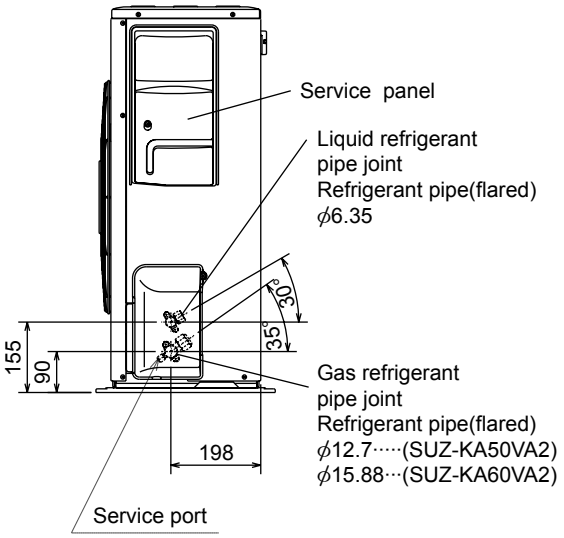

Basically open 100mm or more without any obstruction in front and on both sides of the unit.
100mm or more
100mm or more
200mm or more
350mm or more
Open two sides of left, right, or rear side.

SUZ-KA50VA2
SUZ-KA60VA2

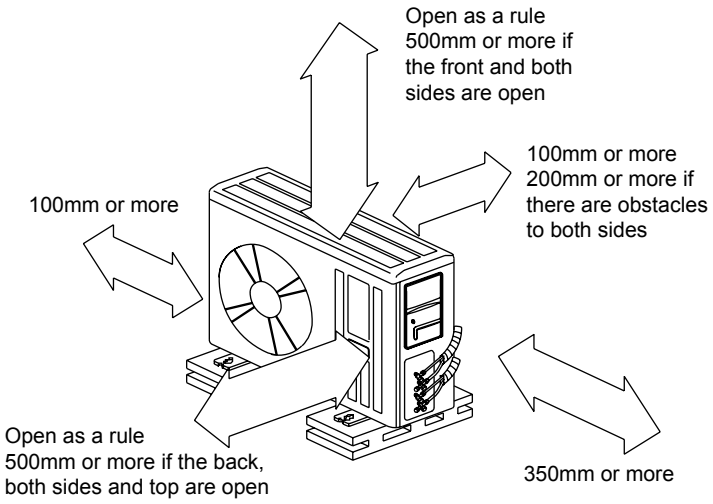
Unit: mm





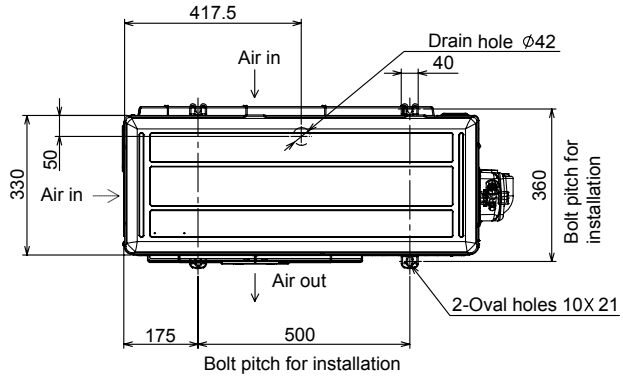


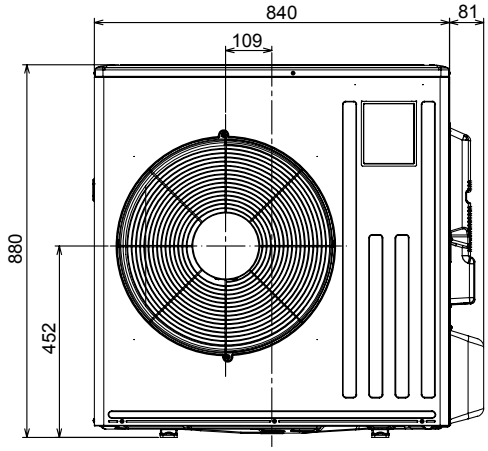
REQUIRED SPACE

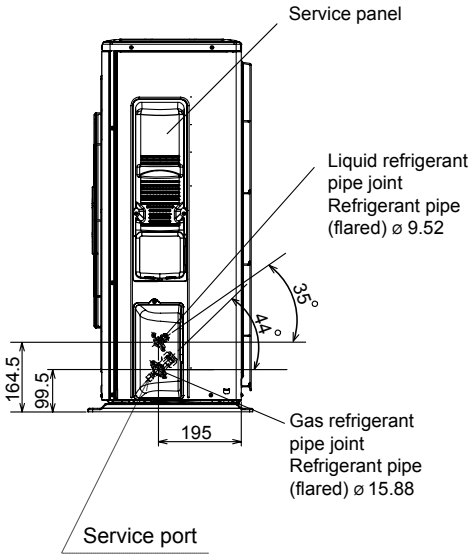


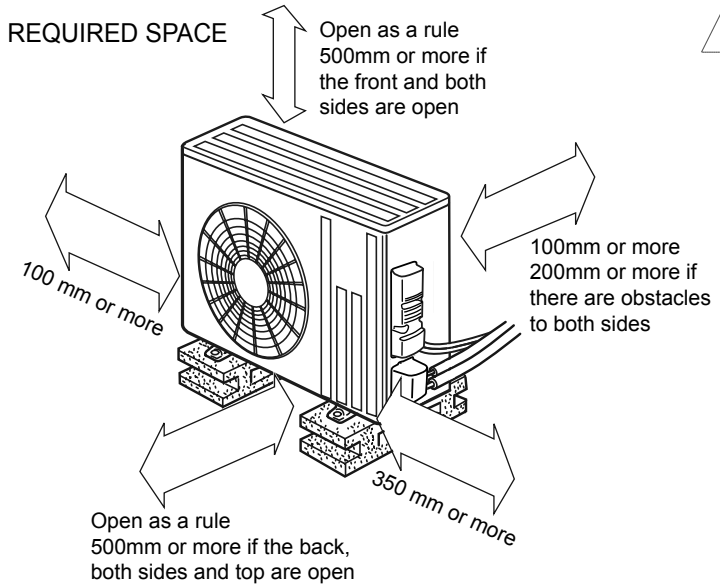
SUZ-KA71VA2

Unit: mm



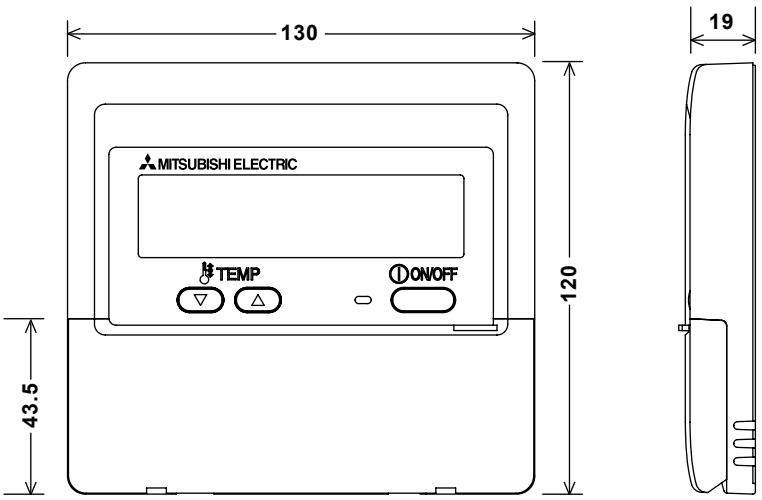


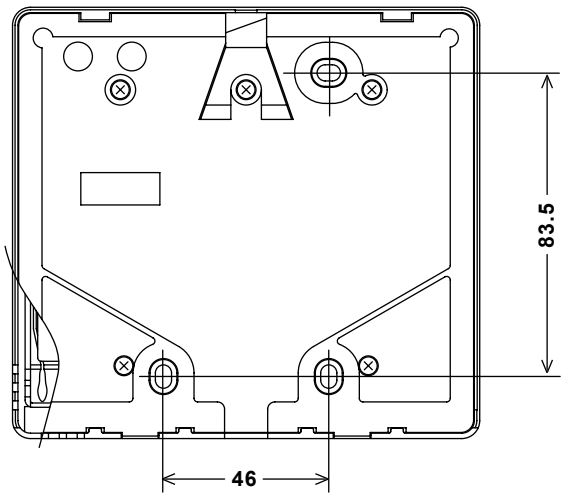



REQUIRED SPACE
Open as a rule 500mm or more if the front and both sides are open
100 mm or more
100mm or more 200mm or more if there are obstacles to both sides
350 mm or more
Open as a rule 500mm or more if the back, both sides and top are open

WIRED REMOTE CONTROLLER (Option)

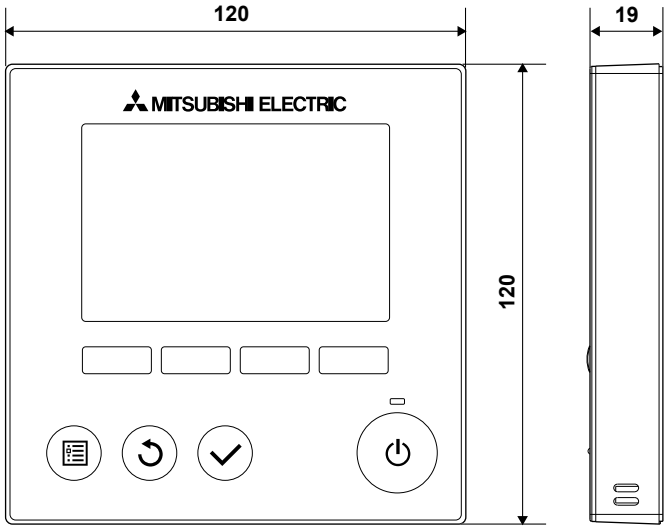
Unit : mm

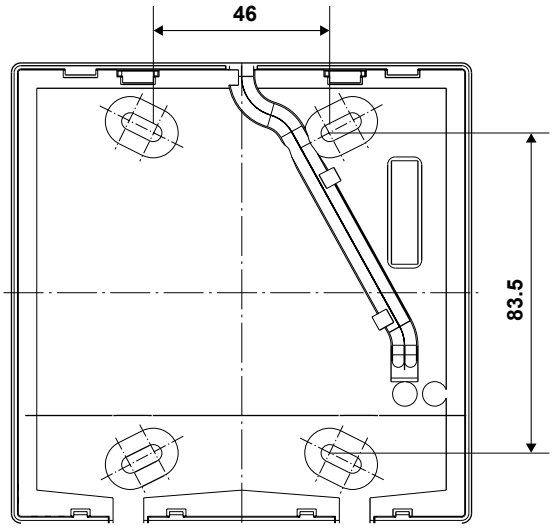




WIRED REMOTE CONTROLLER (Option)

Unit : mm

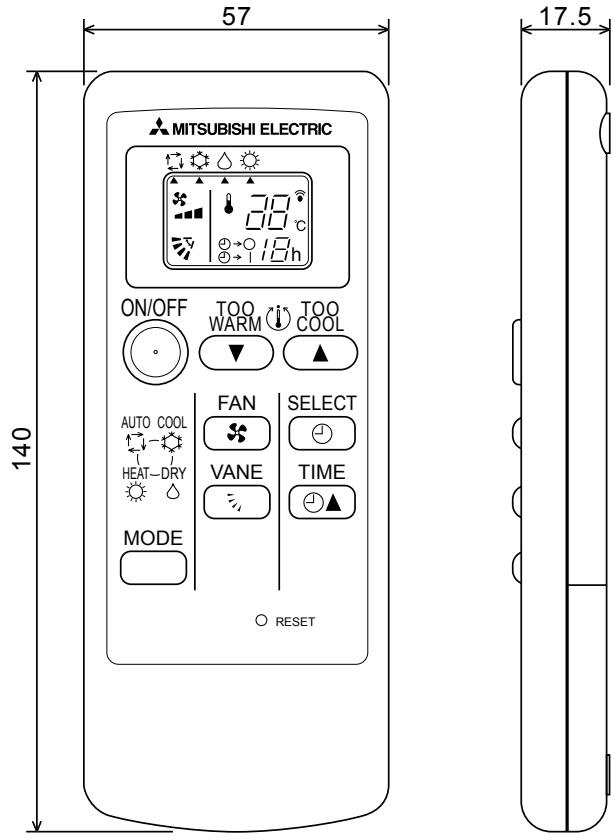


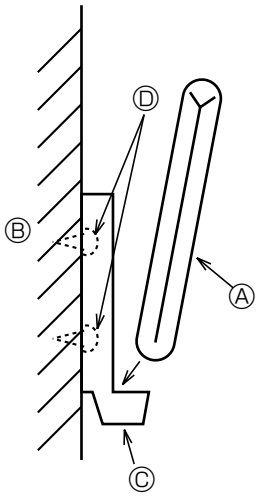


WIRELESS REMOTE CONTROLLER

Unit : mm

SLZ-KA25/35/50VAL





Installation area

- Area in which the remote controller is not exposed to direct sunshine
- Area in which there is no heating source nearby
- Area in which the remote controller is not exposed to cold (or warm) winds
- Area in which the remote controller can be operated easily
- Area in which the remote controller is beyond the reach of children

Installation method

① Attach the remote controller holder to the desired location using two tapping screws.

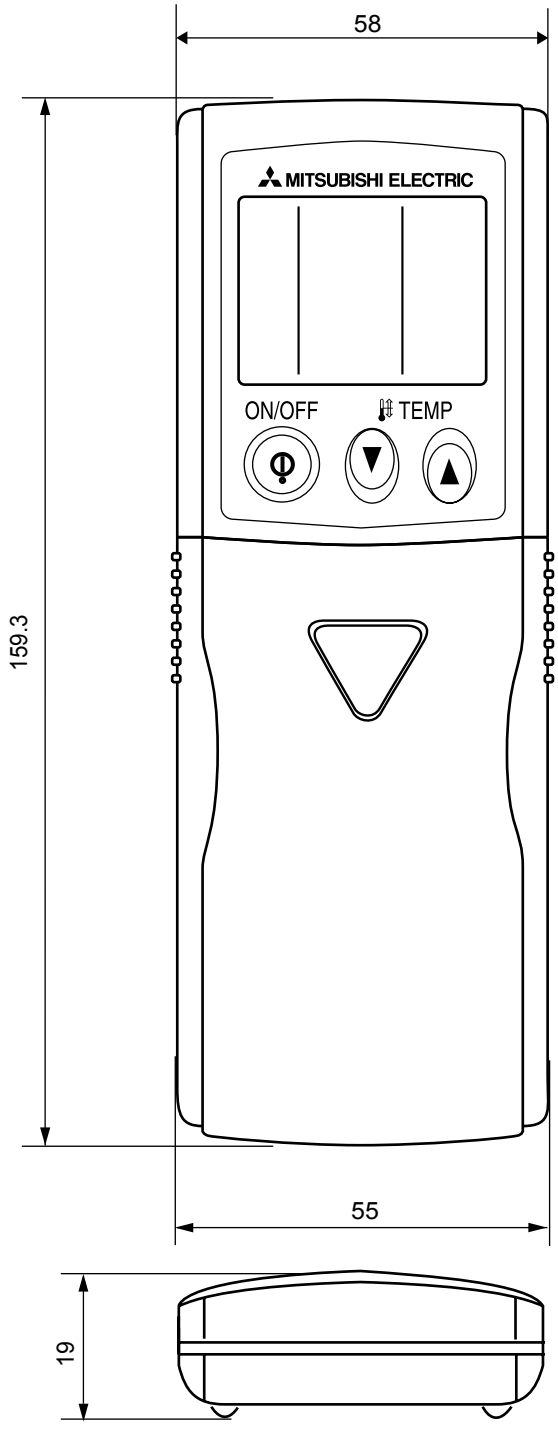
② Place the lower end of the controller into the holder.

Ⓐ Wireless remote controller (Accessory)
Ⓑ Wall
Ⓒ Remote controller holder (Accessory)
Ⓓ Fixing screw (Accessory)

- The signal can travel up to approximately 7 meters (in a straight line) within 45 degrees to both right and left of the center line of the receiver. In addition, the signal may not be received if there are interferences of fluorescent lights or strong sunlight.

WIRELESS REMOTE CONTROLLER

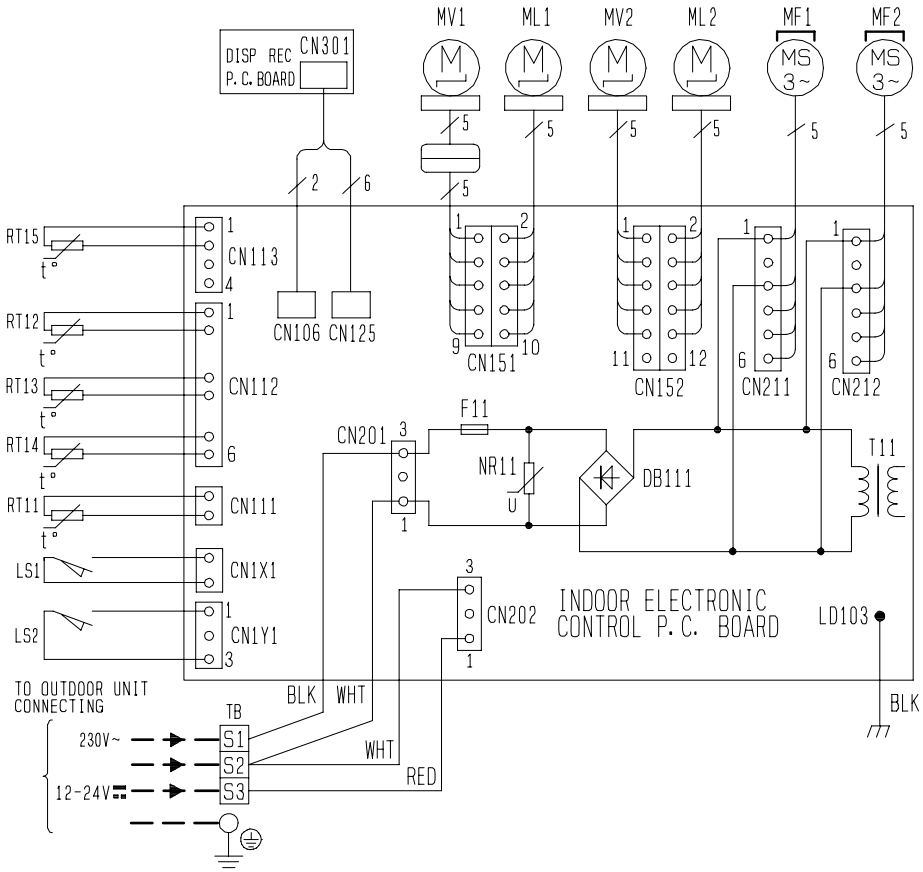
Unit : mm



4 WIRING DIAGRAM

INDOOR UNIT

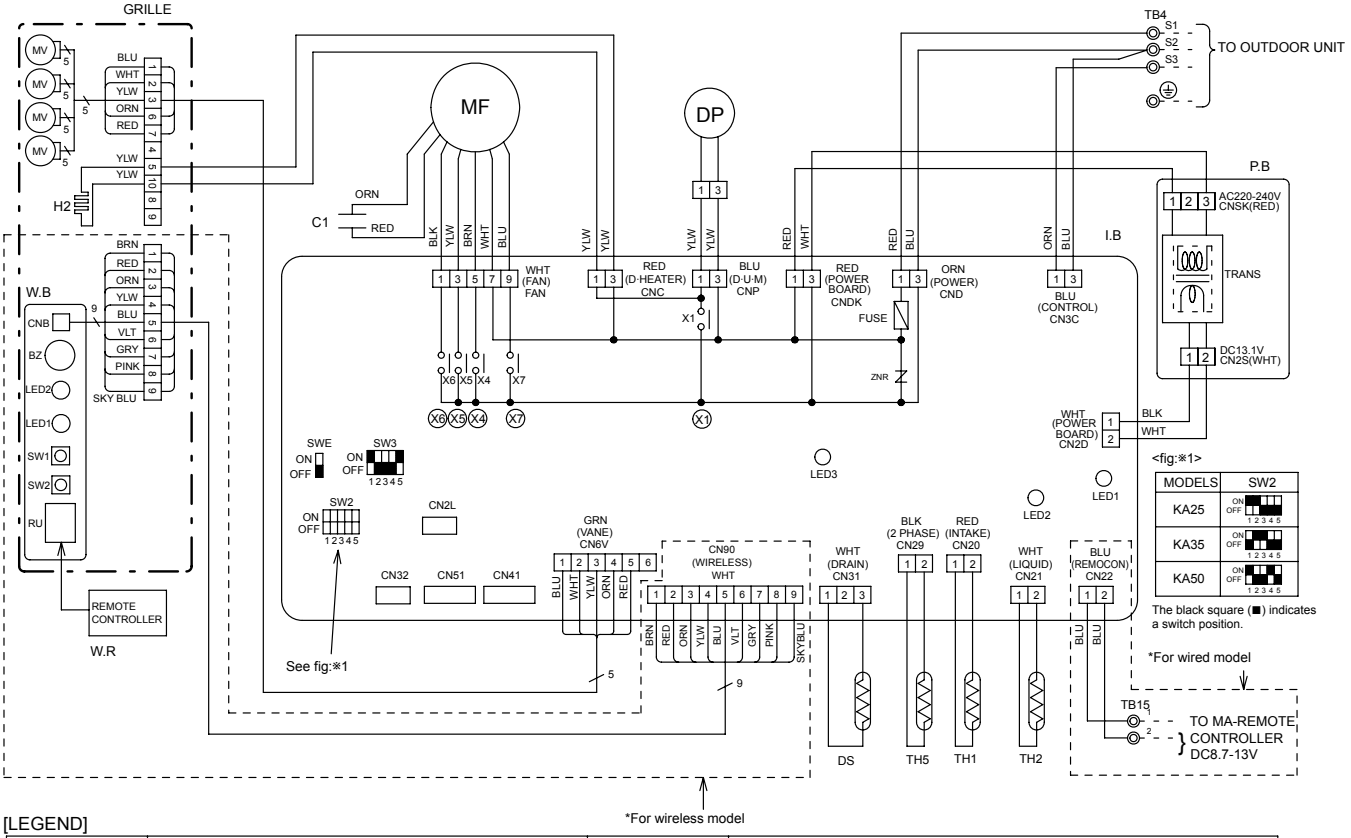
MFZ-KA25VA
MFZ-KA35VA
MFZ-KA50VA



SYMBOL	NAME	SYMBOL	NAME
MF1	UPPER FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MF2	LOWER FAN MOTOR	RT12	COIL TEMP. THERMISTOR (MAIN1)
MV1	HORIZONTAL VANE MOTOR	RT13	COIL TEMP. THERMISTOR (SUB)
MV2	DAMPER MOTOR	RT14	COIL TEMP. THERMISTOR (MAIN2)
ML1	DAMPER LOCK MOTOR (RIGHT)	RT15	COIL TEMP. THERMISTOR (MAIN3)
ML2	DAMPER LOCK MOTOR (LEFT)	DB111	DIODE STACK
LS1	DAMPER LIMIT SWITCH (OPEN)	NR11	VARISTOR
LS2	DAMPER LIMIT SWITCH (CLOSE)	T11	TRANSFORMER
F11	FUSE (T3.15AL250V)		

NOTES:
1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols below indicate.
   : Terminal block
   : Connector

SLZ-KA25VA(L)
SLZ-KA35VA(L)
SLZ-KA50VA(L)



[LEGEND]

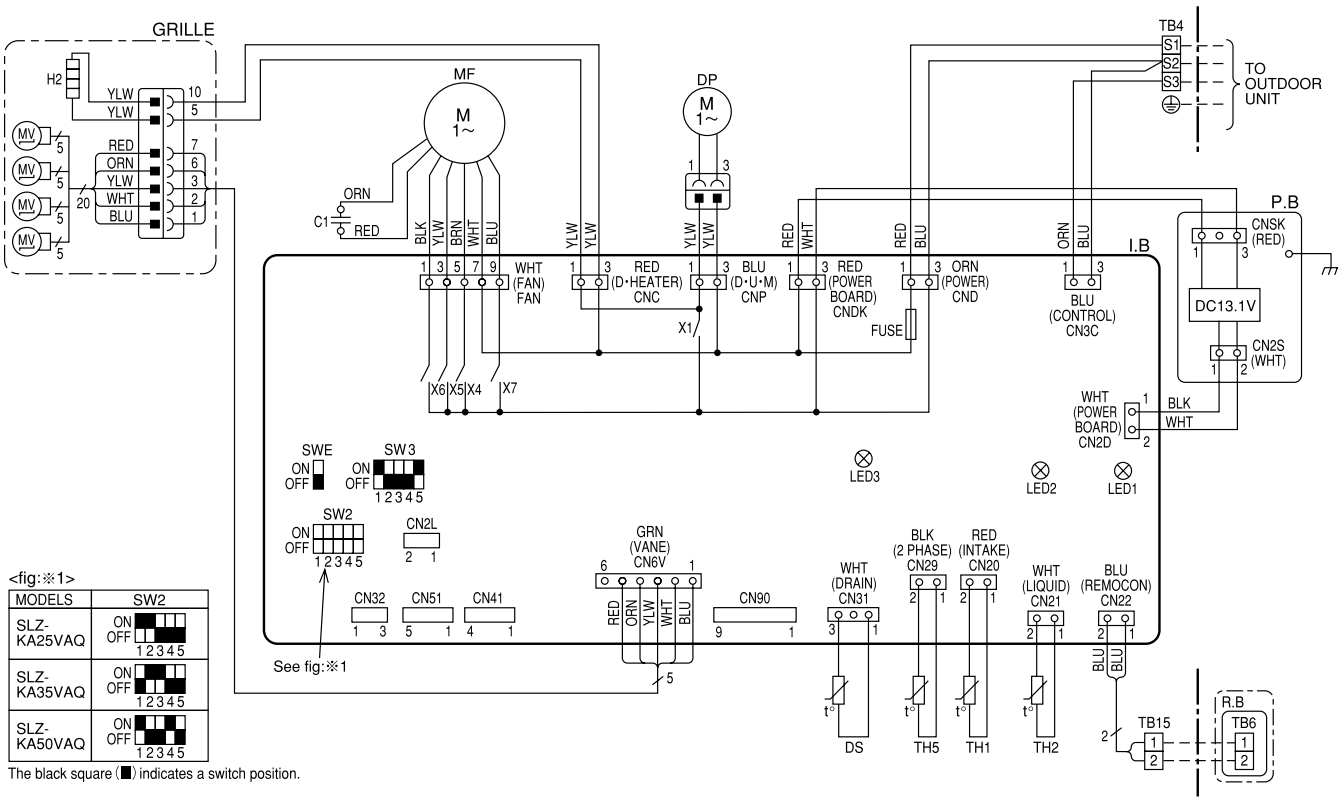
SYMBOL		NAME
P.B		INDOOR POWER BOARD
I.B		INDOOR CONTROLLER BOARD
	CN2L	CONNECTOR(LOSSNAY)
	CN32	CONNECTOR(REMOTE SWITCH)
	CN41	CONNECTOR(HA TERMINAL-A)
	CN51	CENTRALLY CONTROL
	FUSE	FUSE(T6.3AL250V)
	LED1	POWER SUPPLY(I.B)
	LED2	POWER SUPPLY(I.B)
	LED3	TRANSMISSION(INDOOR-OUTDOOR)
	SW2	SWITCH(CAPACITY CODE)
	SW3	SWITCH(MODE SELECTION)
	SWE	SWITCH(EMERGENCY OPERATION)
	X1	DRAIN PUMP/DEW PREVENTION HEATER
	X4	RELAY(FAN MOTOR LL)
	X5	RELAY(FAN MOTOR Lo)
	X6	RELAY(FAN MOTOR Hi)
	X7	RELAY(FAN MOTOR Me)
	ZNR	VARISTOR

SYMBOL		NAME
W.B		WIRELESS REMOTE CONTROLLER BOARD
	RU	RECEIVING UNIT
	BZ	BUZZER
	LED1	LED(RUN INDICATOR)
	LED2	LED(HOT ADJUST)
	SW1	SWITCH(HEATING ON/OFF)
	SW2	SWITCH(COOLING ON/OFF)
C1		CAPACITOR(FAN MOTOR)
DP		DRAIN PUMP
DS		DRAIN SENSOR
H2		DEW PREVENTION HEATER
MF		FAN MOTOR
MV		VANE MOTOR
TB4		TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)
TB15		TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
TH1		ROOM TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH2		PIPE TEMP.THERMISTOR/LIQUID (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH5		COND./EVA.TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)

Notes:
1. Symbols used in wiring diagram above are, □□□: Connector, ◎ : Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.

※ For details on how to operate self-diagnosis, refer to the service manuals etc.

SLZ-KA25VAQ
SLZ-KA35VAQ
SLZ-KA50VAQ



<fig:※1>

MODELS	SW2
SLZ-KA25VAQ	ON OFF 1 2 3 4 5
SLZ-KA35VAQ	ON OFF 1 2 3 4 5
SLZ-KA50VAQ	ON OFF 1 2 3 4 5

The black square (■) indicates a switch position.

【LEGEND】

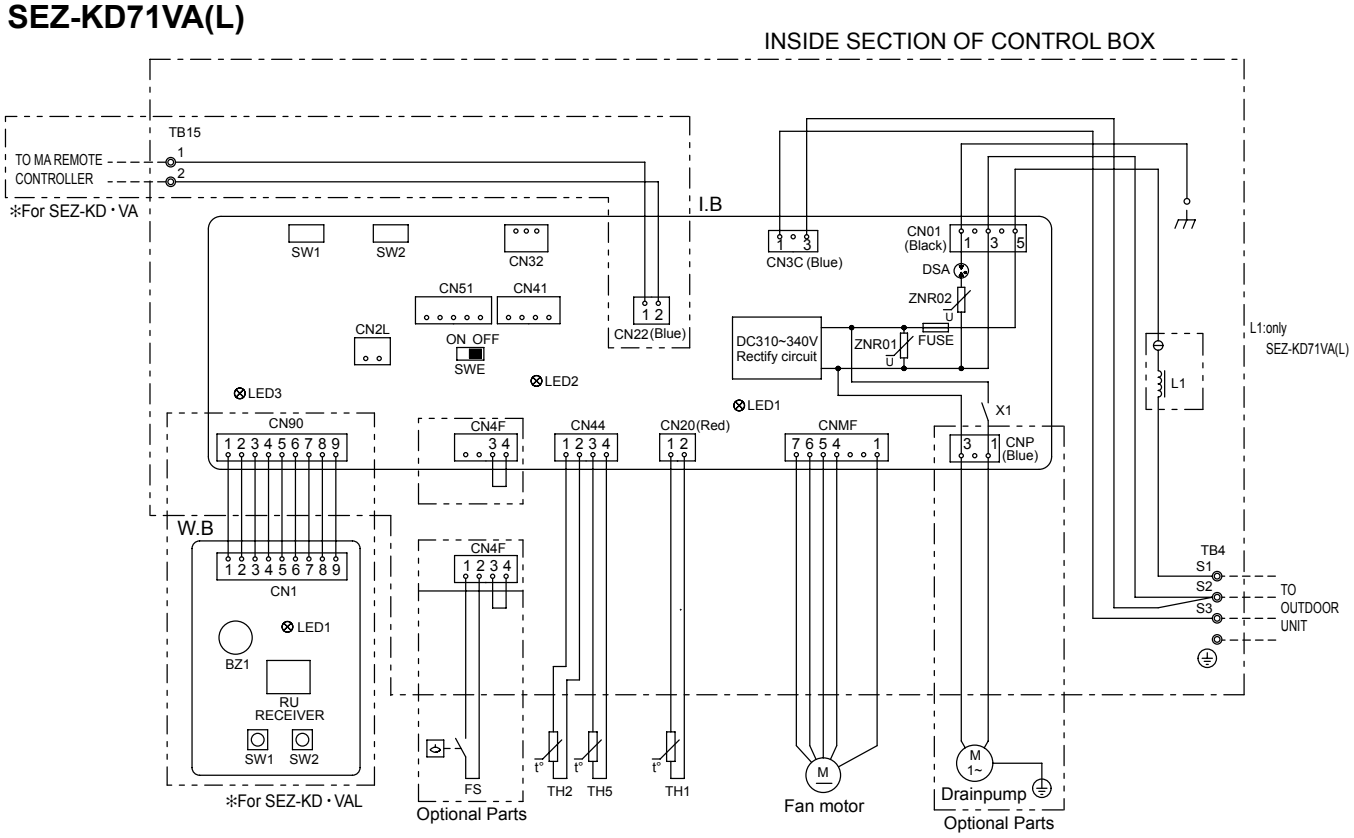
SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C1	CAPACITOR (FAN MOTOR)
I.B	INDOOR CONTROLLER BOARD	DP	DRAIN PUMP
CN2L	CONNECTOR (LOSSNAY)	DS	DRAIN SENSOR
CN32	CONNECTOR (REMOTE SWITCH)	H2	DEW PREVENTION HEATER
CN41	CONNECTOR (HA TERMINAL-A)	MF	FAN MOTOR (WITH THERMAL FUSE)
CN51	CENTRALLY CONTROL	MV	VANE MOTOR
FUSE	FUSE (T6.3AL250V)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
LED1	POWER SUPPLY (I.B)		
LED2	POWER SUPPLY (I.B)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW2	SWITCH (CAPACITY CODE)	TH1	ROOM TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5.4kΩ DETECT)
SW3	SWITCH (MODE SELECTION)		
SWE	SWITCH (EMERGENCY OPERATION)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃ / 15kΩ, 25℃ / 5.4kΩ DETECT)
X1	DRAIN PUMP/DEW PREVENTION HEATER		
X4	RELAY (FAN MOTOR LL)	TH5	COND. / EVA. TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5.4kΩ DETECT)
X5	RELAY (FAN MOTOR Lo)		
X6	RELAY (FAN MOTOR Hi)	OPTIONAL PARTS	
X7	RELAY (FAN MOTOR Me)	R.B	WIRED REMOTE CONTROLLER BOARD
		TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)

NOTES:

1. Symbols used in wiring diagram above are, ○○○:Connector, □□□:Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.

※For details on how to operate self-diagnosis refer to the technical manuals etc.

SEZ-KD25VA(L)
SEZ-KD35VA(L)
SEZ-KD50VA(L)
SEZ-KD60VA(L)
SEZ-KD71VA(L)

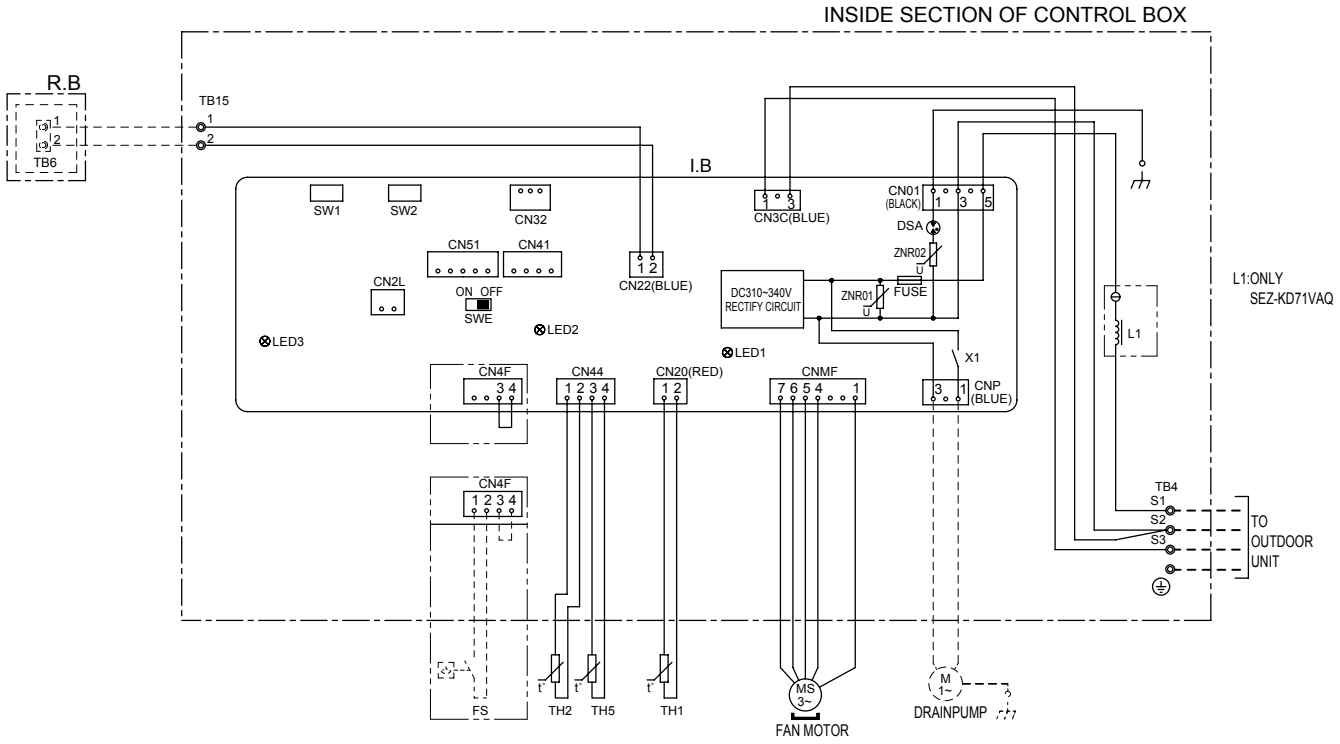


SYMBOL EXPLANATION

SYMBOL		NAME	SYMBOL		NAME
I.B		INDOOR CONTROLLER BOARD	W.B		WIRELESS REMOTE CONTROLLER BOARD
	FUSE	FUSE AC250V 6.3A		RU	RECEIVING UNIT
	ZNR01,02	VARISTOR		BZ1	BUZZER
	DSA	ARRESTER		LED1	LED (RUN INDICATOR)
	X1	AUX. RELAY		SW1	SWITCH (HEATING ON/OFF)
	CN2L	CONNECTOR (LOSSNAY)		SW2	SWITCH (COOLING ON/OFF)
	CN32	CONNECTOR (REMOTE SWITCH)	TH1		INTAKE AIR TEMP. THERMISTOR
	CN41	CONNECTOR (HA TERMINAL-A)	TH2		PIPE TEMP. THERMISTOR/LIQUID
	CN51	CONNECTOR (CENTRALLY CONTROL)	TH5		COND. /EVA. TEMP. THERMISTOR
	LED1	POWER SUPPLY(I.B.)	L1		AC REACTOR(POWER FACTOR IMPROVEMENT)
	LED2	POWER SUPPLY(I.B.)	FS		FLOAT SWITCH
	LED3	TRANSMISSION(INDOOR-OUTDOOR)	TB4		TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
	SW1	SWITCH (FOR MODE SELECTION)			
	SW2	SWITCH (FOR CAPACITY CODE)	TB15		TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
	SWE	CONNECTOR (EMERGENCY OPERATION)			

NOTE) 1. Since the outdoor side electric wiring may change,be sure to check the outdoor unit electric wiring diagram for servicing.
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1,S2,S3) for correct wirings.
3. Symbols used in wiring diagram above are,
⊖:Connector, ◎:Terminal Block.

SEZ-KD25VAQ
SEZ-KD35VAQ
SEZ-KD50VAQ
SEZ-KD60VAQ
SEZ-KD71VAQ



SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TH1	INTAKE AIR TEMP. THERMISTOR
FUSE	FUSE AC250V 6.3A	TH2	PIPE TEMP. THERMISTOR/LIQUID
ZNR01,02	VARISTOR	TH5	COND. /EVA. TEMP. THERMISTOR
DSA	ARRESTER	L1	AC REACTOR (POWER FACTOR IMPROVEMENT)
X1	AUX. RELAY	FS	FLOAT SWITCH
CN2L	CONNECTOR (LOSSNAY)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN32	CONNECTOR (REMOTE SWITCH)		
CN41	CONNECTOR (HA TERMINAL-A)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN51	CONNECTOR (CENTRALLY CONTROL)		
LED1	POWER SUPPLY (I.B.)	OPTIONAL PARTS	
LED2	POWER SUPPLY (I.B.)	R.B	WIRED REMOTE CONTROLLER BOARD
LED3	TRANSMISSION (INDOOR-OUTDOOR)	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
SW1	SWITCH (FOR MODE SELECTION)		
SW2	SWITCH (FOR CAPACITY CODE)		
SWE	CONNECTOR (EMERGENCY OPERATION)		

NOTE)1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers(S1,S2,S3).
3. Symbols used in wiring diagram above are,
⊖:CONNECTOR
◎:TERMINAL
– – – – – – – –(HEAVY DOTTED LINE):FIELD WIRING
- - - - - - - -(THIN DOTTED LINE) :OPTIONAL PARTS

PLA-RP35BA PLA-RP50BA PLA-RP60BA PLA-RP71BA PLA-RP71BA2

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN2L	CONNECTOR (LOSSNAY)	TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN32	CONNECTOR (REMOTE SWITCH)	TH1	ROOM TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
CN41	CONNECTOR (HA TERMINAL-A)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
CN51	CONNECTOR (CENTRALLY CONTROL)	TH5	COND. / EVA. TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
FUSE	FUSE (T6.3AL250V)	OPTIONAL PARTS	
LED1	POWER SUPPLY (I.B)	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
LED2	POWER SUPPLY (R.B)	BZ	BUZZER
LED3	TRANSMISSION (INDOOR-OUTDOOR)	LED1	LED (OPERATION INDICATION : GREEN)
SW1	SWITCH (MODEL SELECTION) ※See table 1	LED2	LED (PREPARATION FOR HEATING : ORANGE)
SW2	SWITCH (CAPACITY CODE) ※See table 2	RU	RECEIVING UNIT
SWE	CONNECTOR (EMERGENCY OPERATION)	SW1	EMERGENCY OPERATION (HEAT / DOWN)
X1	RELAY (DRAIN PUMP)	SW2	EMERGENCY OPERATION (COOL / UP)
R.B	WIRED REMOTE CONTROLLER BOARD		
DCL	REACTOR		
DP	DRAIN PUMP		
FS	DRAIN FLOAT SWITCH		
MF	FAN MOTOR		
MV	VANE MOTOR		

<Table 1> SW1 (MODEL SELECTION)

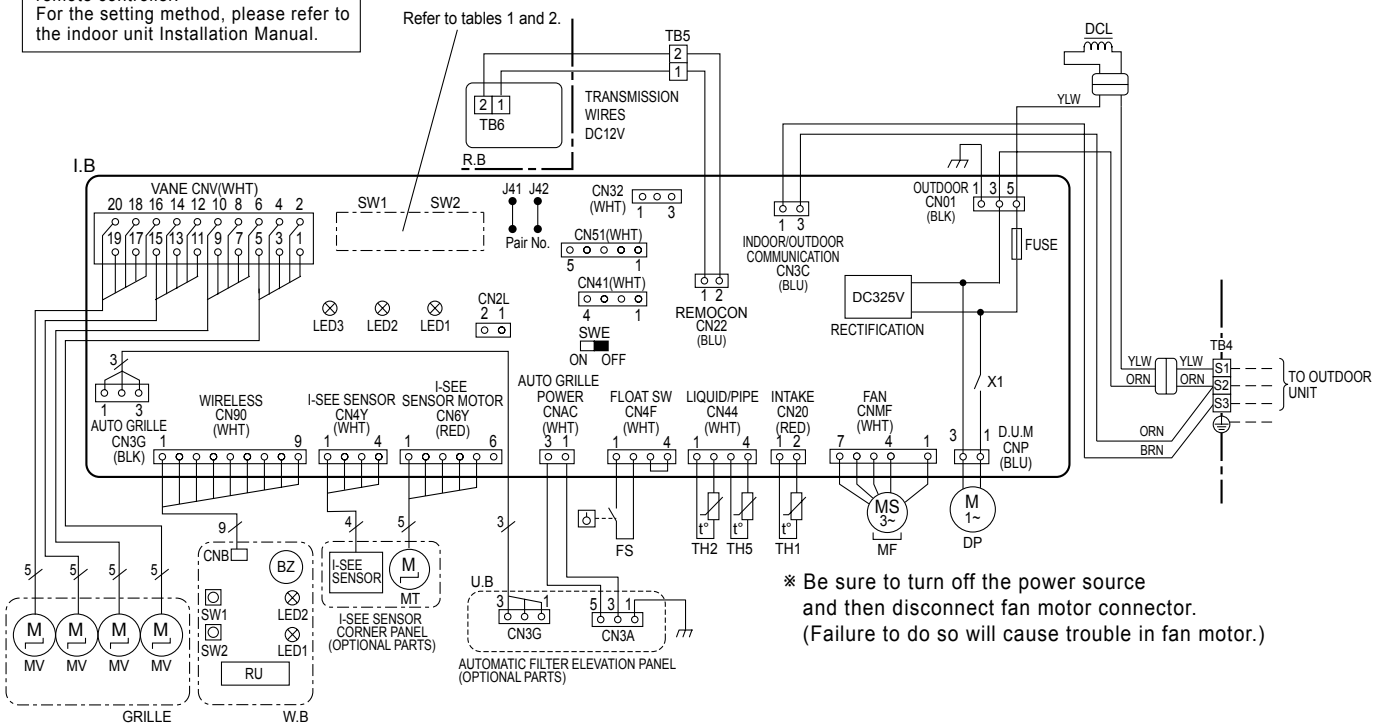
SW1	
MODELS	SETTING
PLA-RP·BA	1 2 3 4 5 ON OFF
PLA-RP71BA2	1 2 3 4 5 ON OFF

<Table 2> SW2 (CAPACITY CODE)

SW2	
CAPACITY	SETTING
35	1 2 3 4 5 ON OFF
50	1 2 3 4 5 ON OFF
60	1 2 3 4 5 ON OFF
71	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Please set the voltage using the remote controller.
For the setting method, please refer to the indoor unit Installation Manual.



※ Be sure to turn off the power source and then disconnect fan motor connector. (Failure to do so will cause trouble in fan motor.)

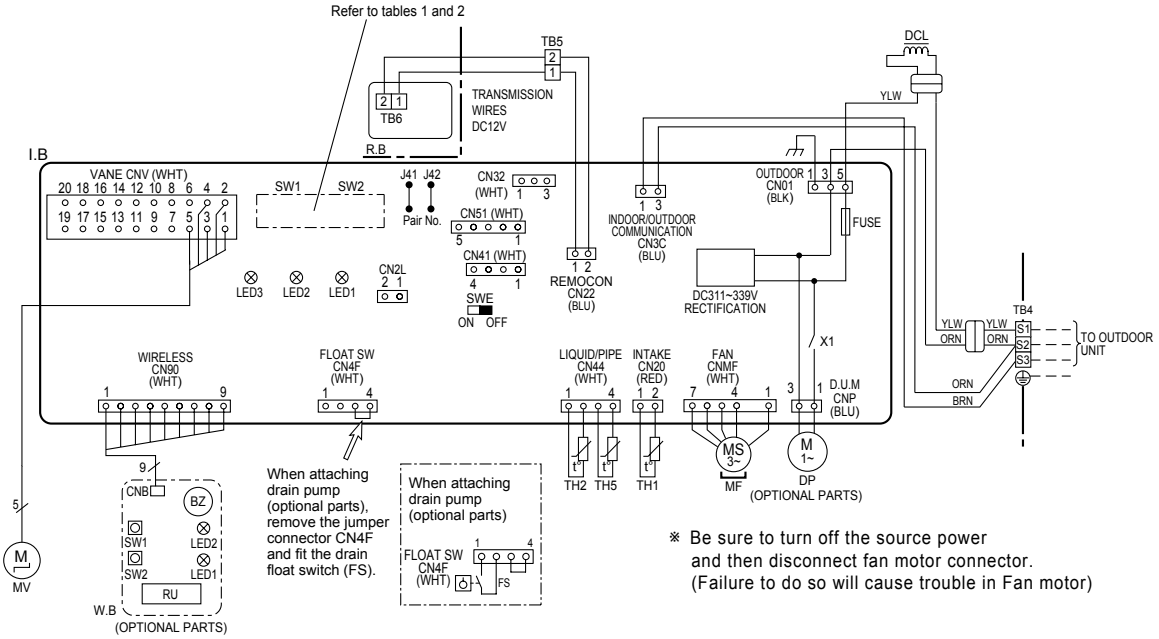
Notes:

1.Symbols used in wiring diagram above are, ○○○ :Connector, □□□ : Terminal (block).
2.Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3.Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4.This diagram shows the wiring of indoor and outdoor connecting wires.(specification of 230V), adopting superimposed system for power and signal.
※: For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP50KA PCA-RP60KA PCA-RP71KA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN2L	CONNECTOR (LOSSNAY)	TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN32	CONNECTOR (REMOTE SWITCH)		
CN41	CONNECTOR (HA TERMINAL-A)	TH1	ROOM TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
CN51	CONNECTOR (CENTRALLY CONTROL)		
FUSE	FUSE (T6.3AL250V)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
LED1	POWER SUPPLY (I.B)		
LED2	POWER SUPPLY (R.B)	TH5	COND. / EVA. TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW1	SWITCH (MODEL SELECTION) ※See table 1	OPTIONAL PARTS	
SW2	SWITCH (CAPACITY CODE) ※See table 2	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
SWE	CONNECTOR (EMERGENCY OPERATION)	BZ	BUZZER
X1	RELAY (DRAIN PUMP)	LED1	LED (OPERATION INDICATION : GREEN)
R.B	WIRED REMOTE CONTROLLER BOARD	LED2	LED (PREPARATION FOR HEATING : ORANGE)
DCL	REACTOR	RU	RECEIVING UNIT
MF	FAN MOTOR	SW1	EMERGENCY OPERATION (HEAT / DOWN)
MV	VANE MOTOR	SW2	EMERGENCY OPERATION (COOL / UP)
		DP	DRAIN PUMP
		FS	DRAIN FLOAT SWITCH



※ Be sure to turn off the source power and then disconnect fan motor connector. (Failure to do so will cause trouble in Fan motor)

<Table 1> SW1 (MODEL SELECTION)

SW1
Service
1 2 3 4 5 ON OFF

<Table 2> SW2 (CAPACITY CODE)

SW2	
MODELS	Service
PCA-RP50KA	1 2 3 4 5 ON OFF
PCA-RP60KA	1 2 3 4 5 ON OFF
PCA-RP71KA	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Notes: 1. Symbols used in wiring diagram above are, ▭ :Connector, ▯▯▯ :Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system for power and signal.

※: For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP50KAQ PCA-RP60KAQ PCA-RP71KAQ

[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
FUSE	FUSE (T6.3AL250V)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (R.B)
LED3	TRANSMISSION (INDOOR-OUTDOOR)
SW1	SWITCH (MODEL SELECTION) ※See table 1
SW2	SWITCH (CAPACITY CODE) ※See table 2
SWE	CONNECTOR (EMERGENCY OPERATION)
X1	RELAY (DRAIN PUMP)
DCL	REACTOR
MF	FAN MOTOR
MV	VANE MOTOR
TB2	TERMINAL BLOCK (Indoor unit Power (option parts))
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)

SYMBOL	NAME
TH1	ROOM TEMP. THERMISTOR (0ºC / 15kΩ, 25ºC / 5. 4kΩ DETECT)
TH2	PIPE TEMP. THERMISTOR/LIQUID (0ºC / 15kΩ, 25ºC / 5. 4kΩ DETECT)
TH5	COND. / EVA. TEMP. THERMISTOR (0ºC / 15kΩ, 25ºC / 5. 4kΩ DETECT)
OPTIONAL PARTS	
R.B	WIRED REMOTE CONTROLLER BOARD
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
W.B	PCB FOR WIRELESS REMOTE CONTROLLER
BZ	BUZZER
LED1	LED (OPERATION INDICATION : GREEN)
LED2	LED (PREPARATION FOR HEATING : ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT / DOWN)
SW2	EMERGENCY OPERATION (COOL / UP)
DP	DRAIN PUMP
FS	DRAIN FLOAT SWITCH

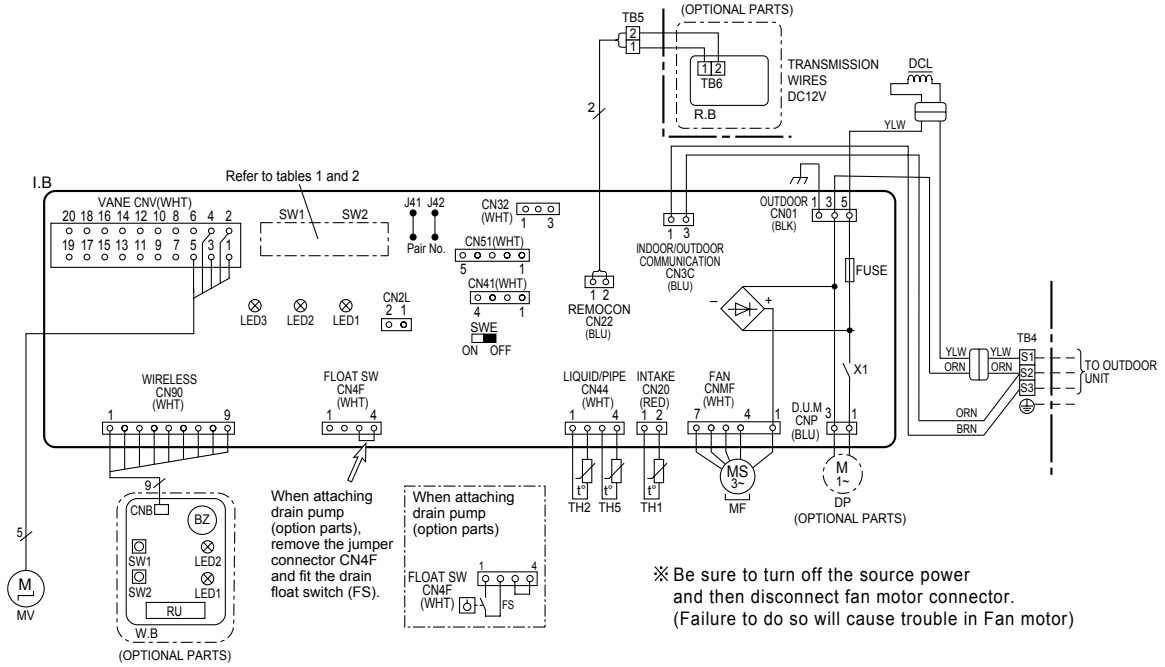
The black square (■) indicates a switch position.

<Table 1>
SW1 (MODEL SELECTION)

SW1
Service
1 2 3 4 5 ON OFF

<Table 2>SW2 (CAPACITY CODE)

SW2	
MODELS	Service
PCA-RP50KAQ	1 2 3 4 5 ON OFF
PCA-RP60KAQ	1 2 3 4 5 ON OFF
PCA-RP71KAQ	1 2 3 4 5 ON OFF

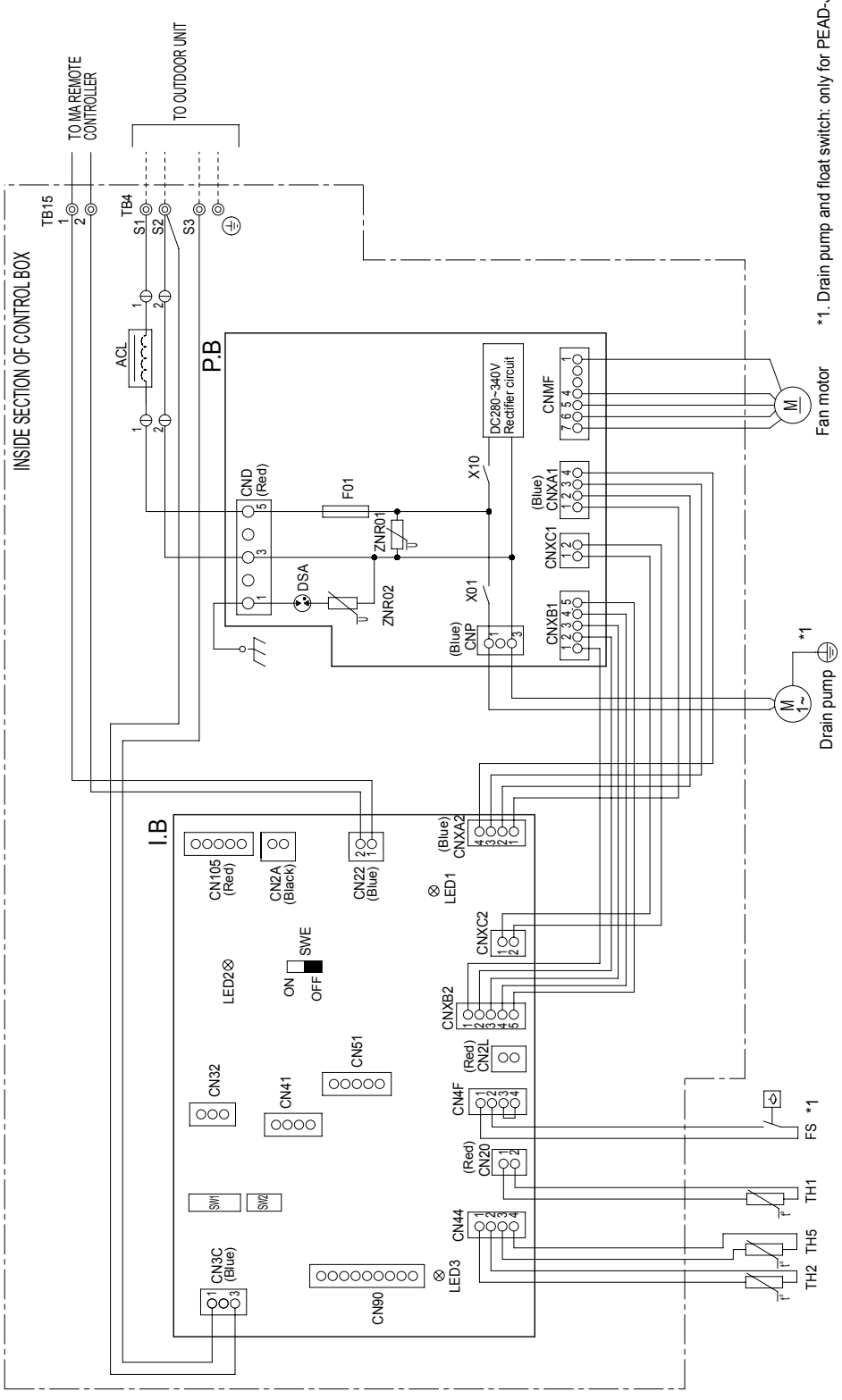


※ Be sure to turn off the source power and then disconnect fan motor connector. (Failure to do so will cause trouble in Fan motor)

Notes: 1. Symbols used in wiring diagram above are, ▭: Connector, ▭▭▭:Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires.(specification of 230V), adopting superimposed system of power and signal.

※ : For power supply system of this unit, refer to the caution label located near this diagram.

PEAD-RP35JA(L) PEAD-RP50JA(L) PEAD-RP60JA(L) PEAD-RP71JA(L)



NOTE: 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
3. Symbols used in wiring diagram above are, ◎terminal block, ⏀ connector.

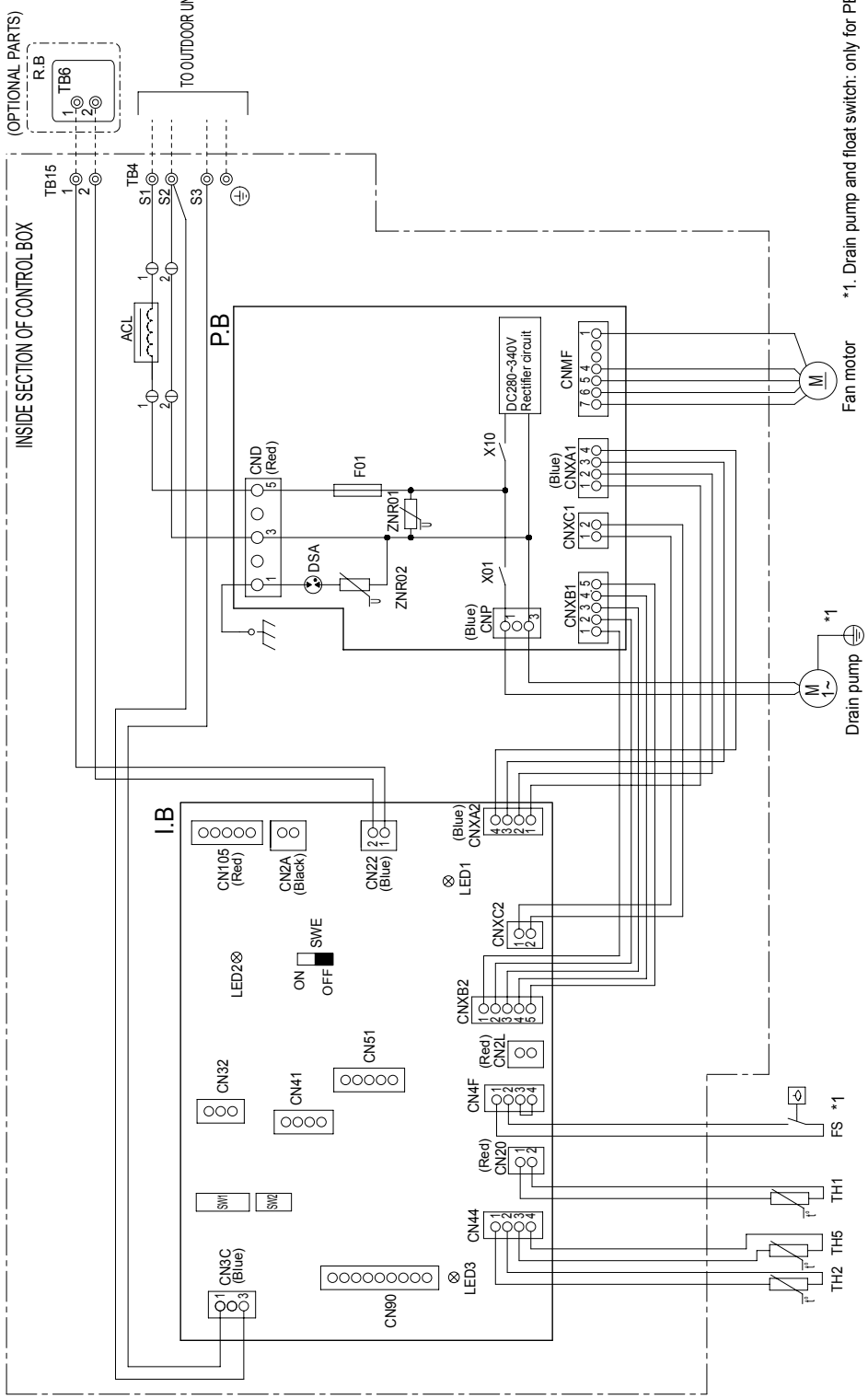
SYMBOL EXPLANATION

SYMBOL		NAME
I.B		Indoor controller board
	CN2A	Connector (0-10V Analog input)
	CN2L	Connector (Lossnay)
	CN32	Connector (Remote switch)
	CN41	Connector (HA terminal-A)
	CN51	Connector (Centrally control)
	CN90	Connector (Wireless)
	CN105	Connector (IT terminal)
	LED1	LED(Power supply)
	LED2	LED(Remote controller supply)
	LED3	LED(Transmission indoor-outdoor)

SYMBOL		NAME
I.B		Indoor controller board
	SW1	Switch (for mode selection)
	SW2	Switch (for capacity code)
	SWE	Connector (emergency operation)
P.B		Power supply board
	F01	Fuse AC250V 6.3A
	ZNR01, 02	Varistor
	DSA	Arrester
	X01	Aux. relay
	X10	Aux. relay

SYMBOL	NAME
TH1	Intake air temp. Thermistor
TH2	Pipe temp. Thermistor/liquid
TH5	Cond./eva.temp. Thermistor
ACL	AC reactor (Power factor improvement)
FS	Float switch
TB4	Terminal block (Indoor/outdoor connecting line)
TB15	Terminal block (Remote controller transmission line)

PEAD-RP35JA(L)Q PEAD-RP50JA(L)Q PEAD-RP60JA(L)Q PEAD-RP71JA(L)Q



*1. Drain pump and float switch: only for PEAD-JAQ model

NOTE: 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
3. Symbols used in wiring diagram above are, ◎terminal block, ⏀ connector.

SYMBOL EXPLANATION

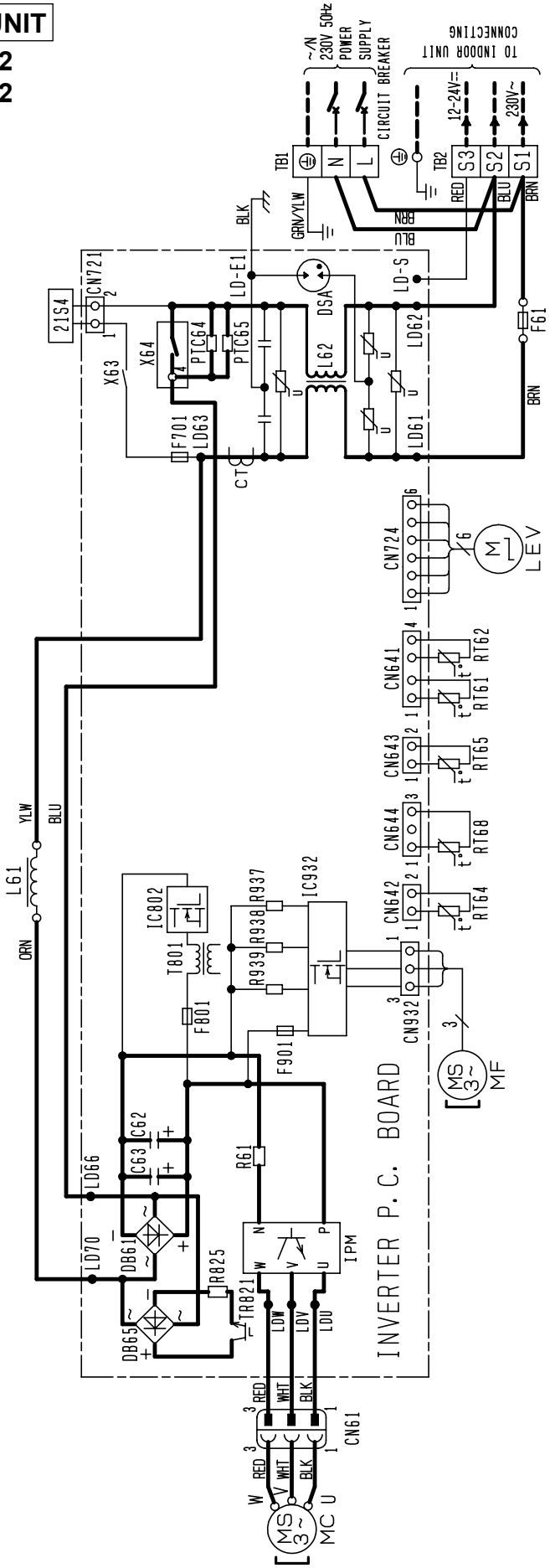
SYMBOL		NAME
I.B		Indoor controller board
	CN2A	Connector (0-10V Analog input)
	CN2L	Connector (Lossnay)
	CN32	Connector (Remote switch)
	CN41	Connector (HA terminal-A)
	CN51	Connector (Centrally control)
	CN90	Connector (Wireless)
	CN105	Connector (IT terminal)
	LED1	LED(Power supply)
	LED2	LED(Remote controller supply)
	LED3	LED(Transmission indoor-outdoor)

SYMBOL		NAME
I.B		Indoor controller board
	SW1	Switch (for mode selection)
	SW2	Switch (for capacity code)
	SWE	Connector (emergency operation)
P.B		Power supply board
	F01	Fuse AC250V 6.3A
	ZNR01, 02	Varistor
	DSA	Arrester
	X01	Aux. relay
	X10	Aux. relay

SYMBOL		NAME
	TH1	Intake air temp. Thermistor
	TH2	Pipe temp. Thermistor/liquid
	TH5	Cond./eva.temp. Thermistor
	ACL	AC reactor (Power factor improvement)
	FS	Float switch
	TB4	Terminal block (Indoor/outdoor connecting line)
	TB15	Terminal block (Remote controller transmission line)
OPTIONAL PARTS		
	R.B	Wired remote controller board
	TB6	Terminal block (Remote controller transmission line)

OUTDOOR UNIT

SUZ-KA25VA2
SUZ-KA35VA2



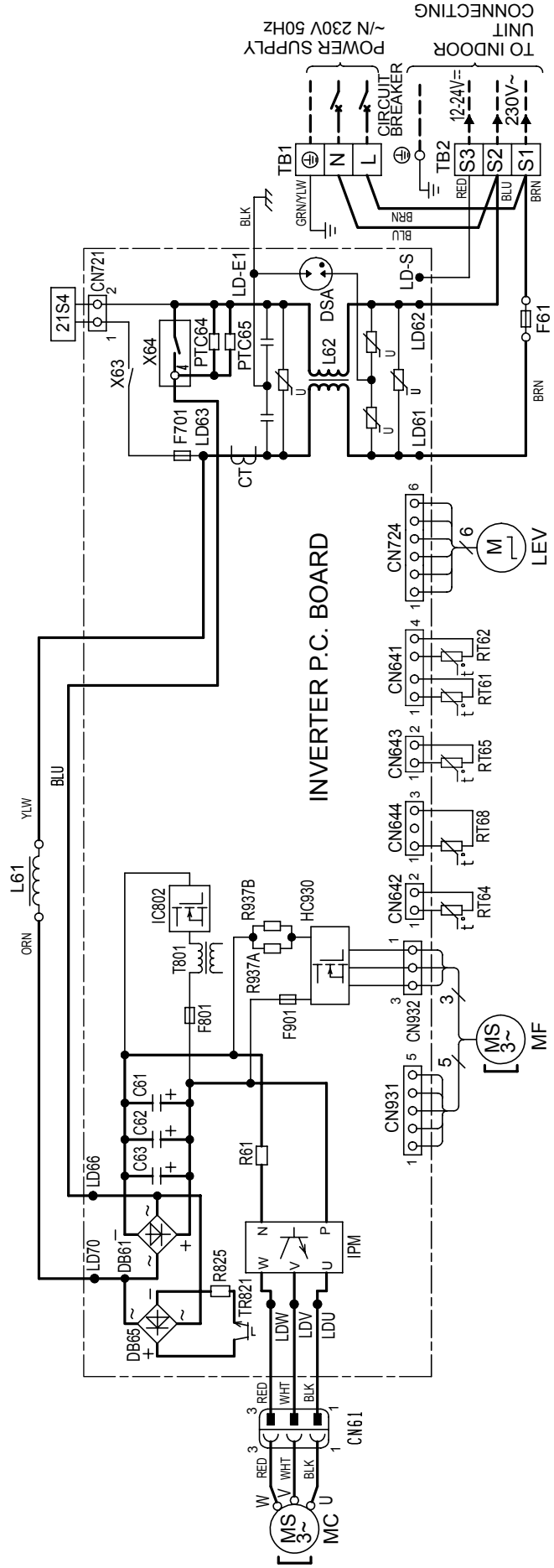
NOTES:1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols below indicate.
□□□ : Terminal block

SYMBOL	NAME
CT	CURRENT TRANSFORMER
C62, C63	SMOOTHING CAPACITOR
DB61, DB65	DIODE MODULE
DSA	SURGE ABSORBER
F61	FUSE (T20AL250V)
F701, F801, F901	FUSE (T3.15AL250V)
IC802	INTELLIGENT POWER DEVICE
IPM, IC932	INTELLIGENT POWER MODULE
L61	REACTOR
L62	CMC COIL

SYMBOL	NAME
LEV	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64, PTC65	CIRCUIT PROTECTION
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR
RT64	FIN TEMP. THERMISTOR
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.

SYMBOL	NAME
R61	CURRENT-DETECTING RESISTOR
R825, R937	CURRENT-DETECTING RESISTOR
R938, R939	CURRENT-DETECTING RESISTOR
TB1, TB2	TERMINAL BLOCK
TR821	SWITCHING POWER TRANSISTOR
T801	TRANSFORMER
X63, X64	RELAY
21S4	REVERSING VALVE COIL

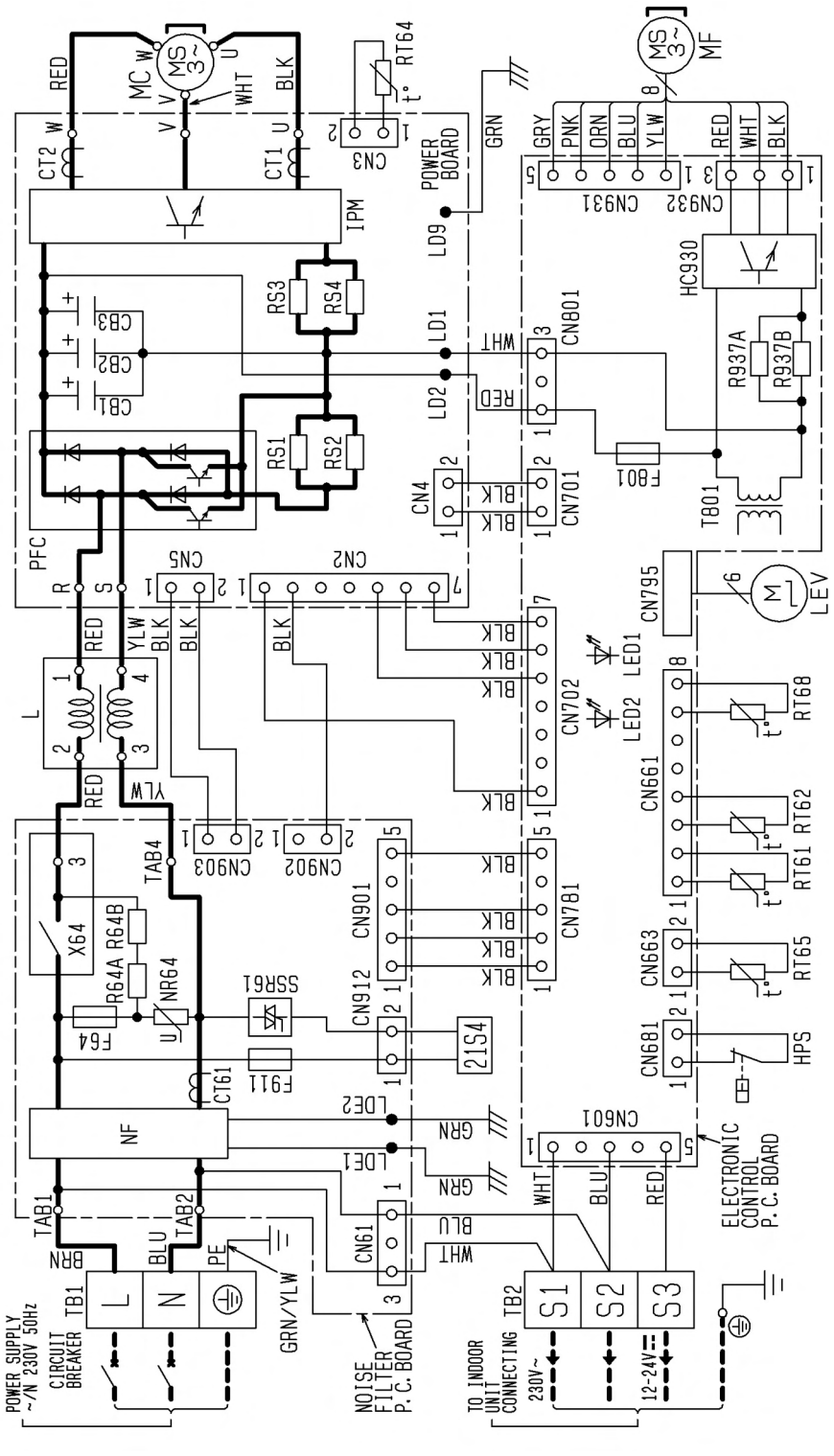
SUZ-KA50VA2



NOTES: 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (for field wiring).
3. Symbols below indicate.
□□□ :Terminal block

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CT	CURRENT TRANSFORMER	LEV	EXPANSION VALVE COIL	R61	CURRENT-DETECTING RESISTOR
C61,62,63	SMOOTHING CAPACITOR	MC	COMPRESSOR	R825	CURRENT-DETECTING RESISTOR
DB61,DB65	DIODE MODULE	MF	FAN MOTOR	R937A, B	CURRENT-DETECTING RESISTOR
DSA	SURGE ABSORBER	PTC64,PTC65	CIRCUIT PROTECTION	TB1,TB2	TERMINAL BLOCK
F61	FUSE (T20AL 250V)	RT61	DEFROST THERMISTOR	TR821	SWITCHING POWER TRANSISTOR
F701,F801,F901	FUSE (T3.15AL 250V)	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER
HC930,IPM	INTELLIGENT POWER MODULE	RT64	FIN TEMP. THERMISTOR	X63,X64	RELAY
IC802	INTELLIGENT POWER DEVICE	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
L62	REACTOR				

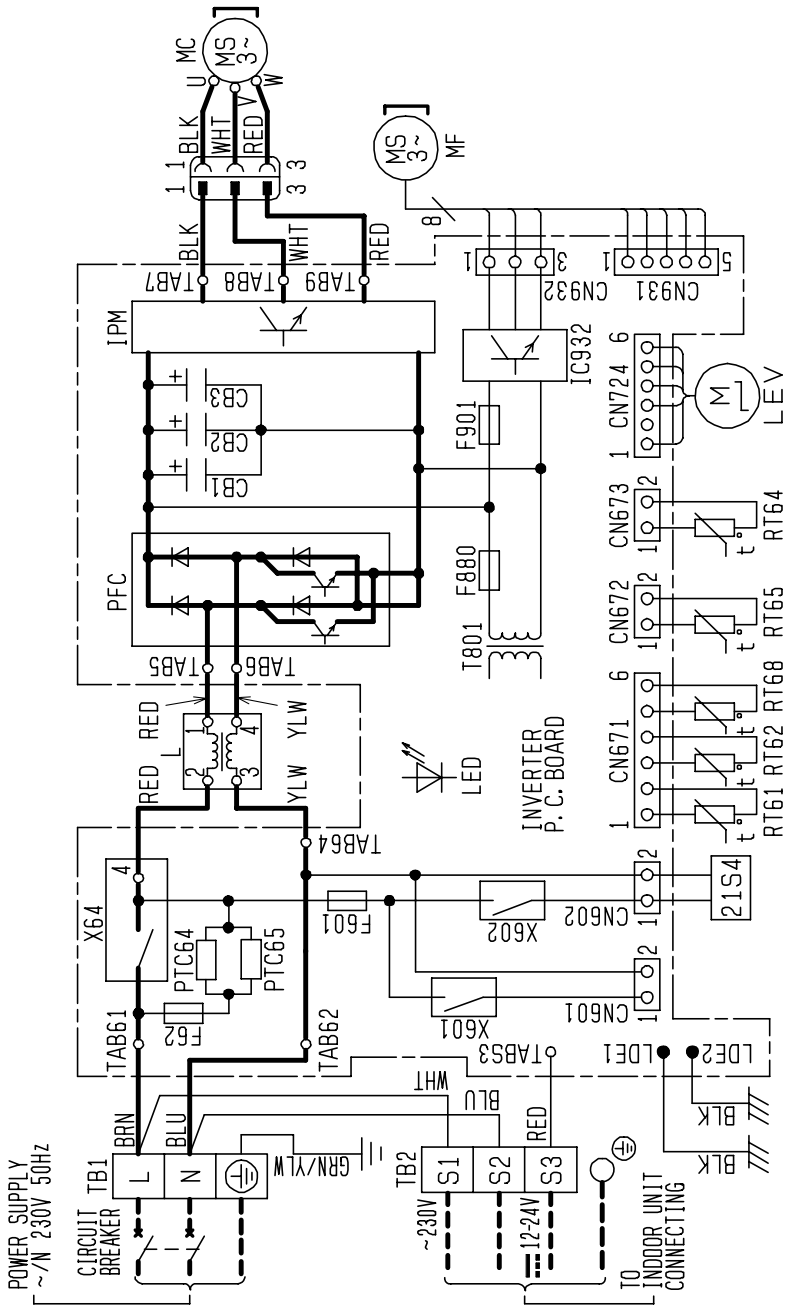
SUZ-KA60VA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE	RT65	AMBIENT TEMP. THERMISTOR
CT1, 2	CURRENT TRANSFORMER	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
CT61	CURRENT TRANSFORMER	MF	FAN MOTOR	R64A,B	RESISTOR
F64	FUSE (T2AL 250V)	NF	NOISE FILTER	R937A, B	RESISTOR
F801	FUSE (T3.15AL 250V)	NR64	VARISTOR	SSR61	SOLENOID COIL RELAY
F911	FUSE (T1AL 250V)	PFC	POWER FACTOR CONTROLLER	TB1	TERMINAL BLOCK
HC930	INTELLIGENT POWER MODULE	RS1~4	RESISTOR	TB2	TERMINAL BLOCK
HPS	HIGH PRESSURE SWITCH	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
IPM	INTELLIGENT POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
L	REACTOR	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (for field wiring).
3. Symbols below indicate.
□□□ :Terminal block

SUZ-KA71VA2



NOTES
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only(for field wiring).
3. Symbols indicate. □□ :terminal block

SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR
F601	FUSE(T3.15AL250V)
F62	FUSE(T2AL250V)
F880	FUSE(T3.15AL250V)
F901	FUSE(T3.15AL250V)
IC932	INTELLIGENT POWER MODULE
IPM	INTELLIGENT POWER MODULE
L	REACTOR
LEV	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PFC	POWER FACTOR CONTROLLER
PTC64	CIRCUIT PROTECTION

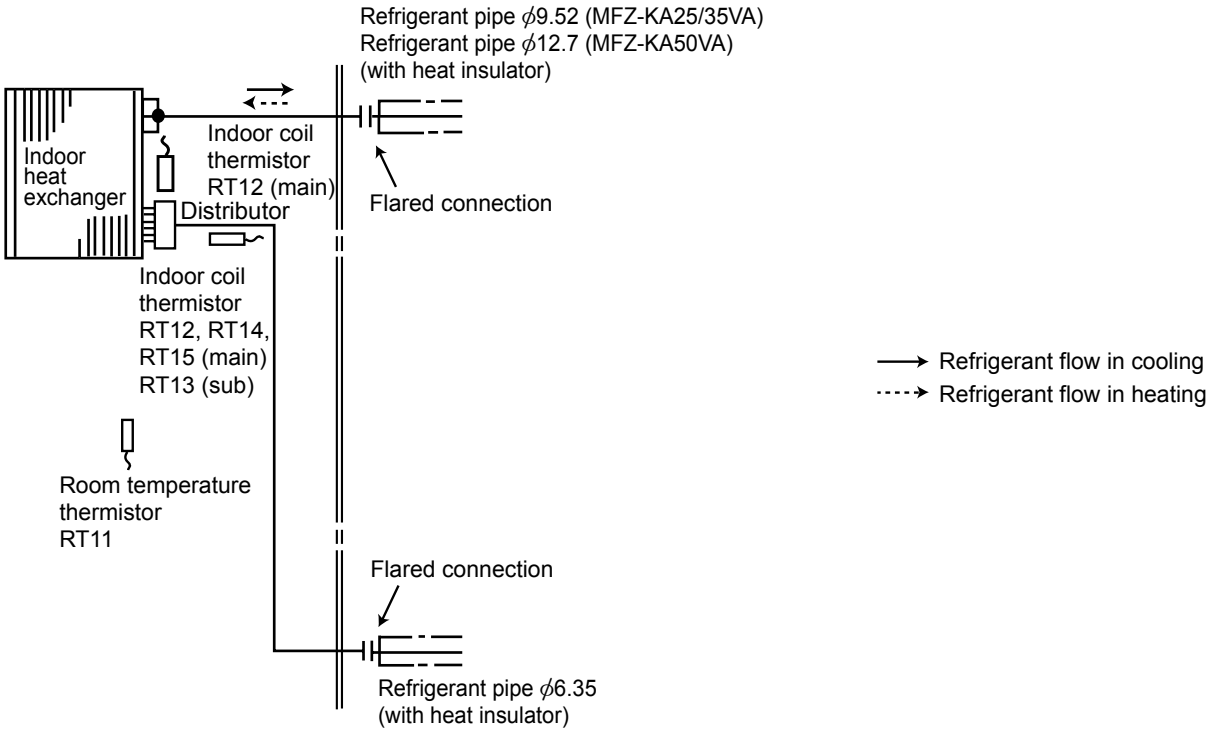
SYMBOL	NAME
PTC65	CIRCUIT PROTECTION
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR
TB1, TB2	TERMINAL BLOCK
T801	TRANSFORMER
X601	RELAY
X602	RELAY
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

5 REFRIGERANT SYSTEM DIAGRAM

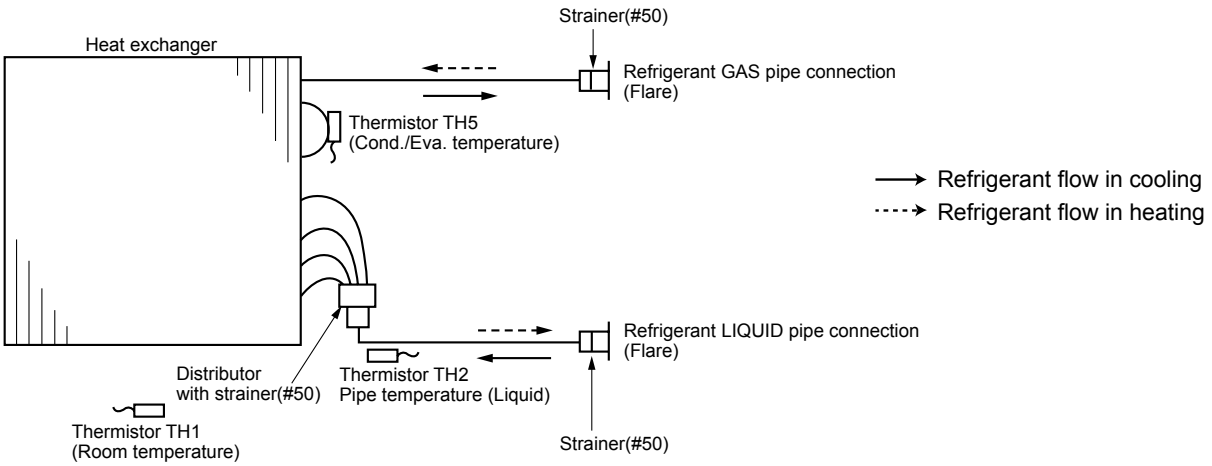
5-1. INDOOR UNIT

Unit : mm

MFZ-KA25VA
MFZ-KA35VA
MFZ-KA50VA



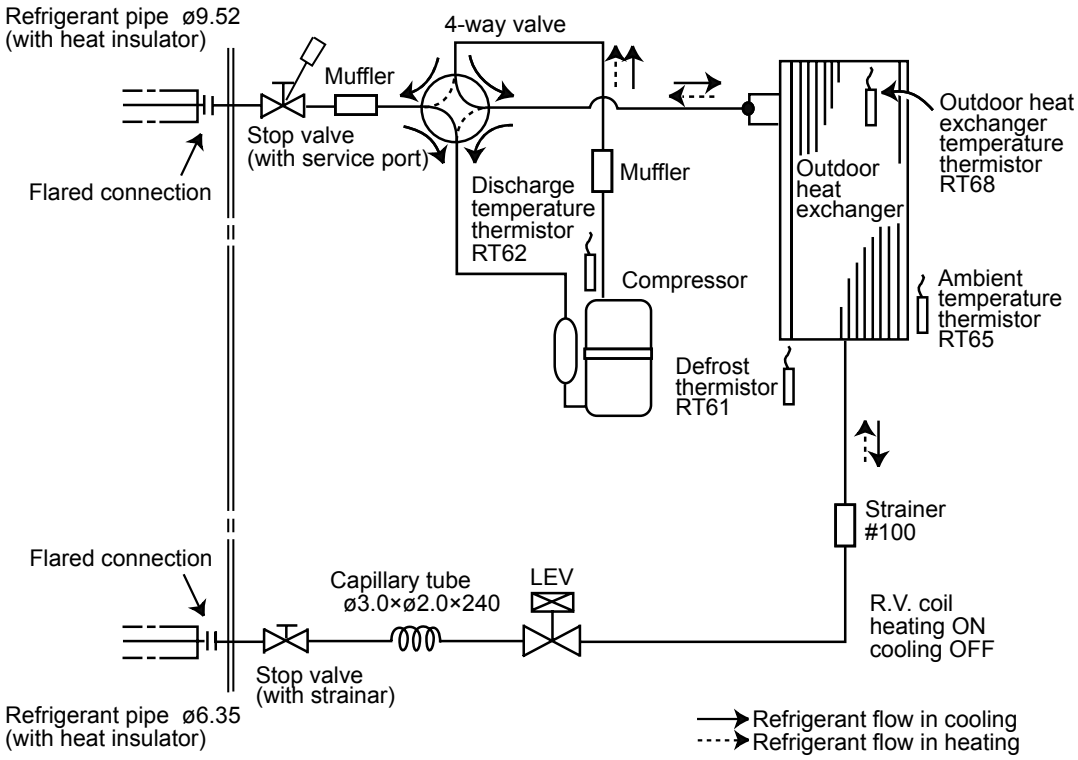
SLZ-KA·VA(Q) **SLZ-KA·VAL** **SEZ-KD·VA(Q)** **SEZ-KD·VAL**
PLA-RP·BA(2) **PCA-RP·KA(Q)** **PEAD-RP·JA(L)(Q)**



5-2. OUTDOOR UNIT

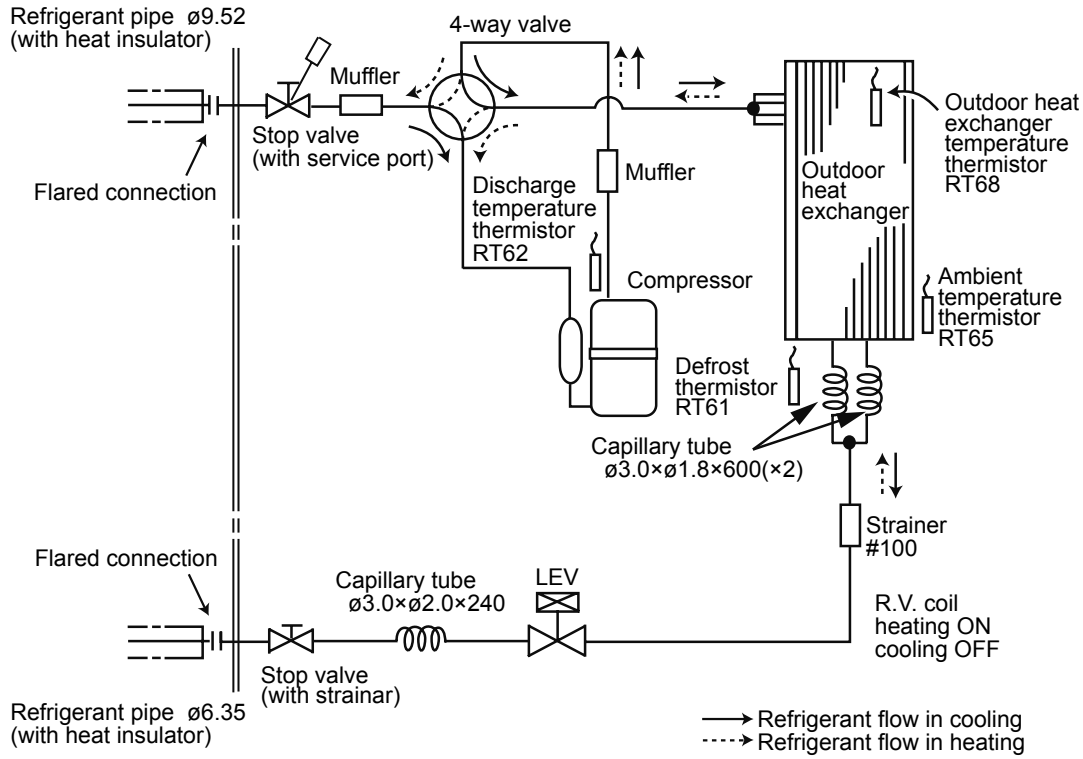
Unit: mm

SUZ-KA25VA2



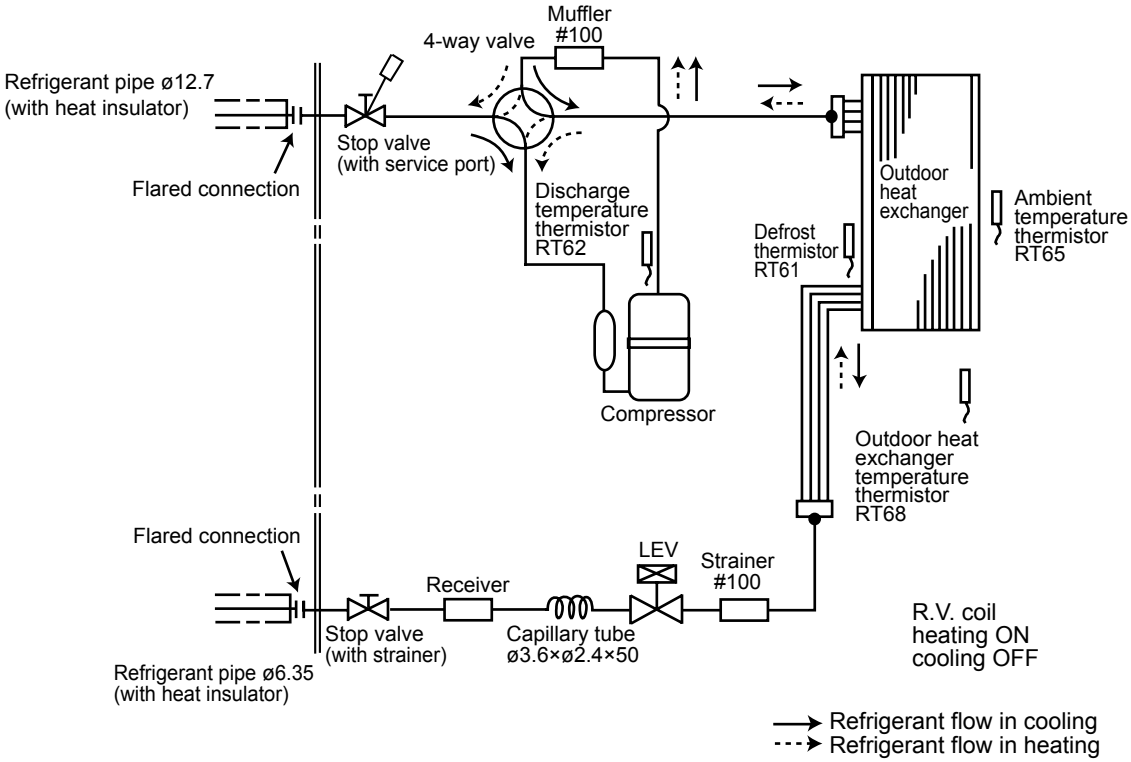
SUZ-KA35VA2

Unit: mm



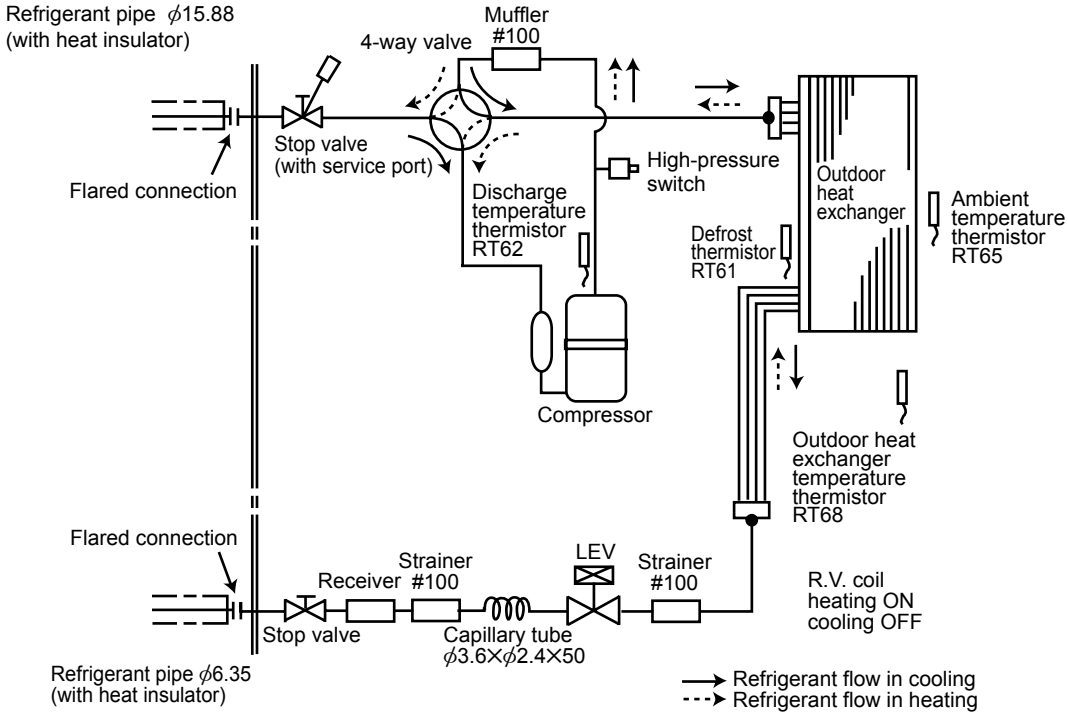
SUZ-KA50VA2

Unit: mm



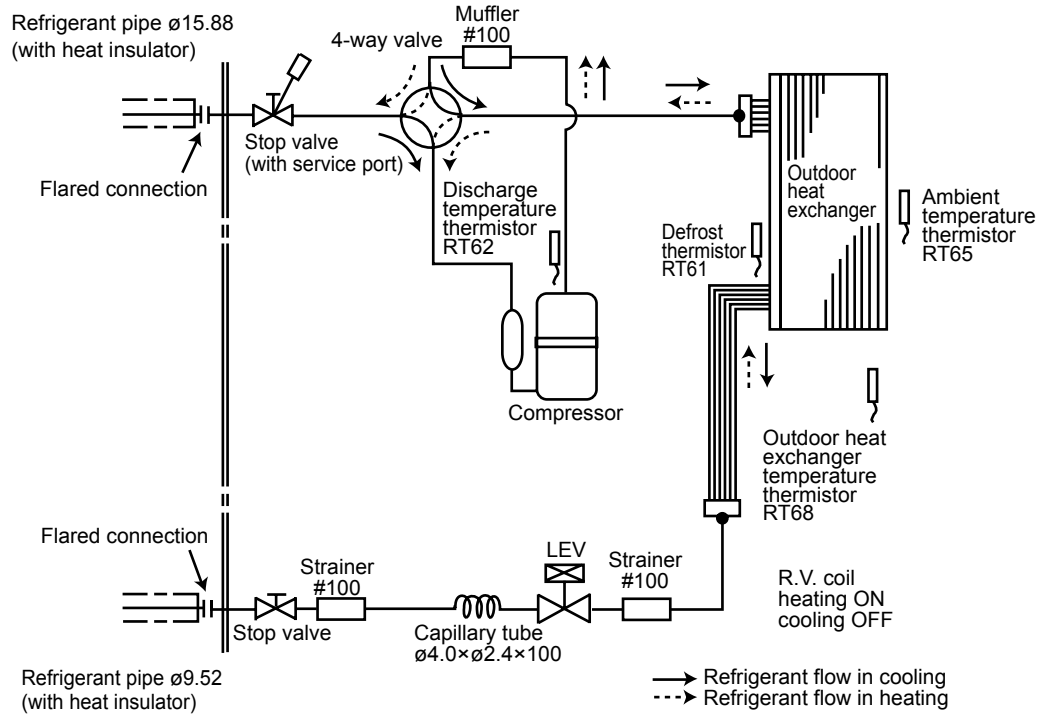
SUZ-KA60VA2

Unit: mm



SUZ-KA71VA2

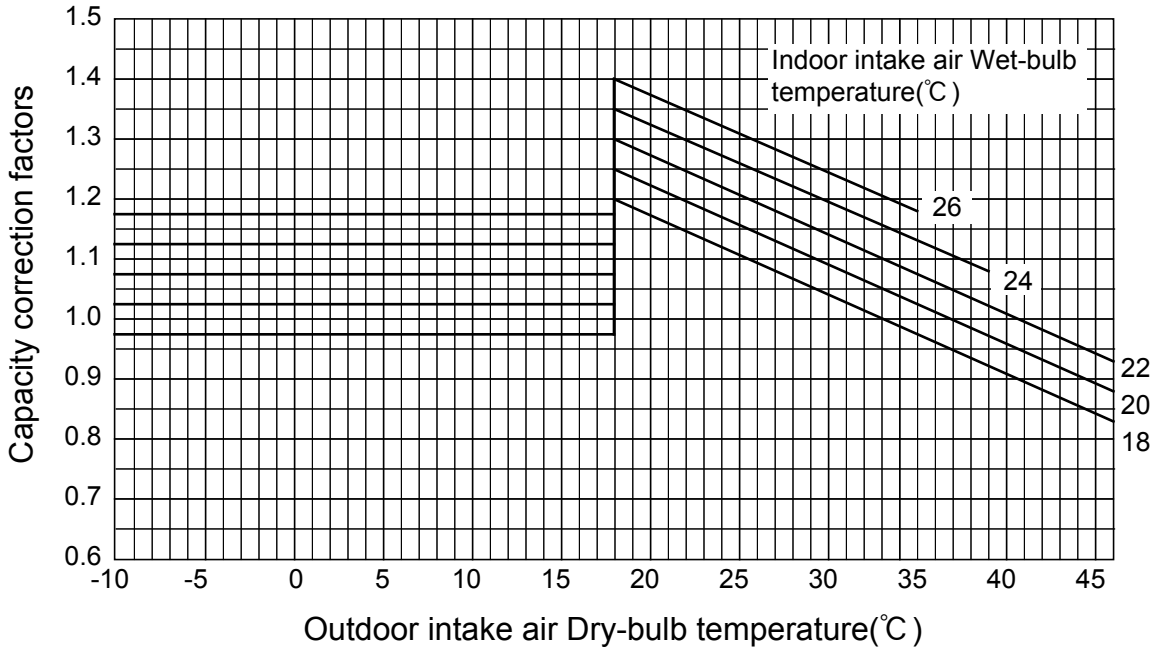
Unit: mm



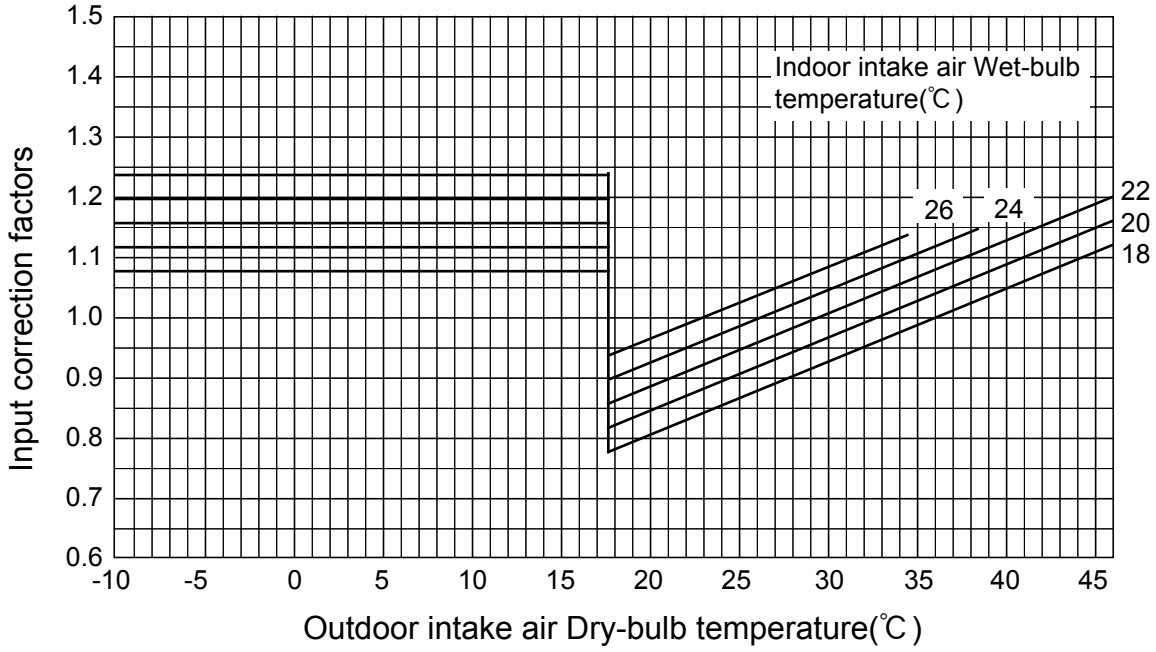
6 PERFORMANCE CURVES

FOR THE COMBINATION OF OUTDOOR UNIT SUZ-KA25VA2

Cooling capacity

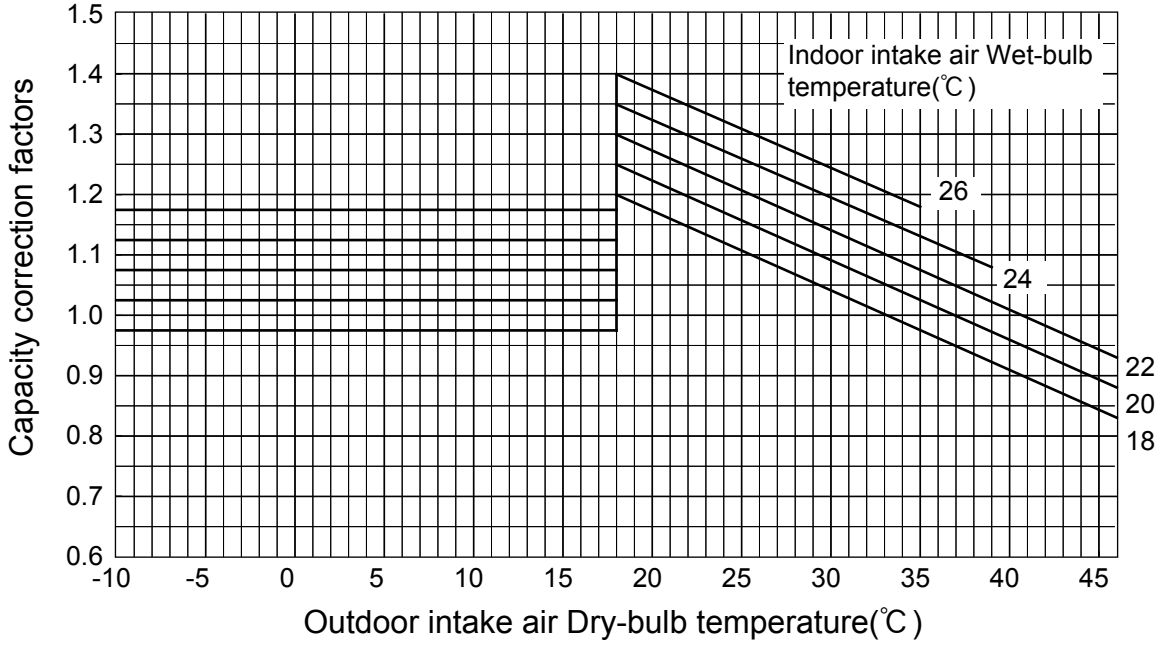


Total input (cooling)

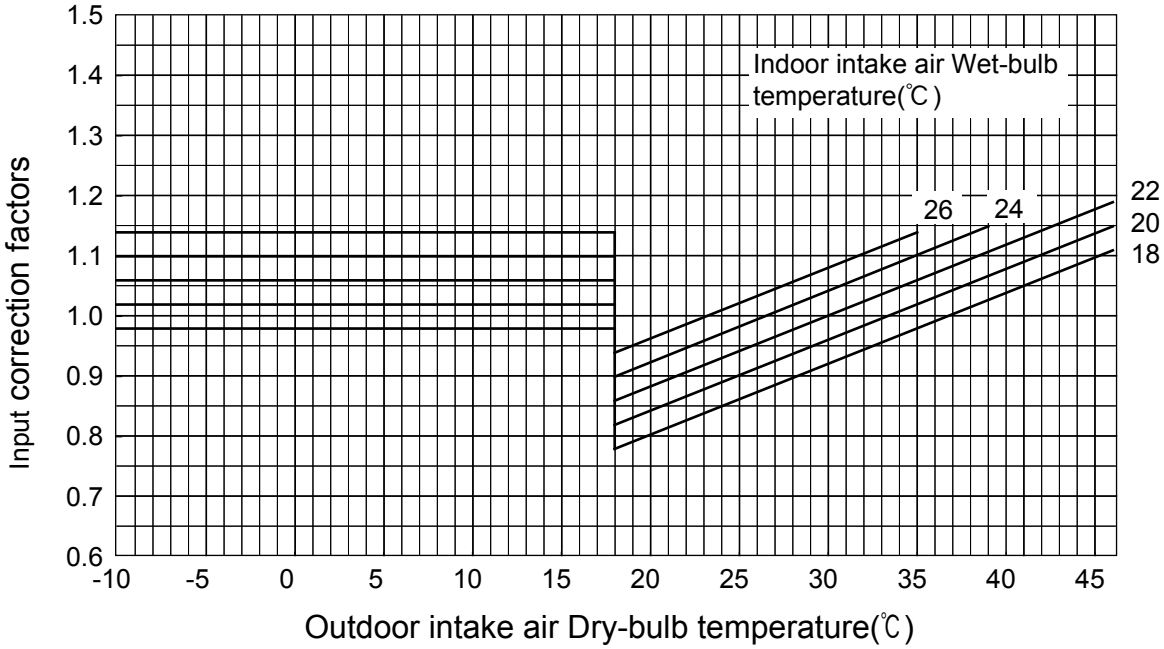


FOR THE COMBINATION OF OUTDOOR UNIT SUZ-KA35VA2

Cooling capacity

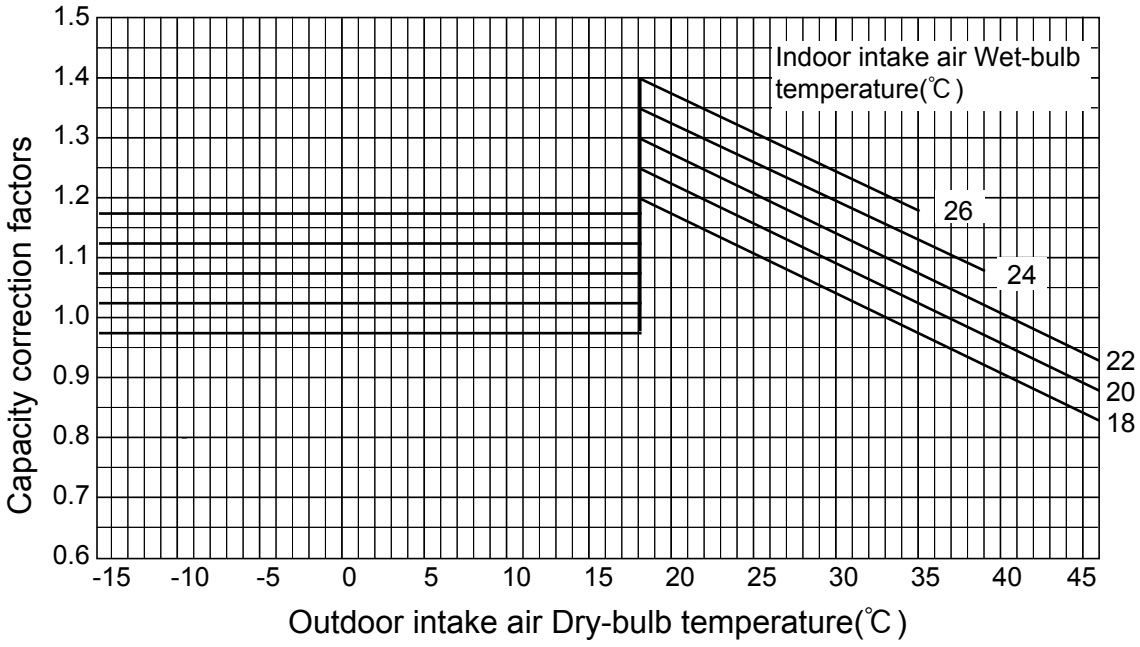


Total input (cooling)

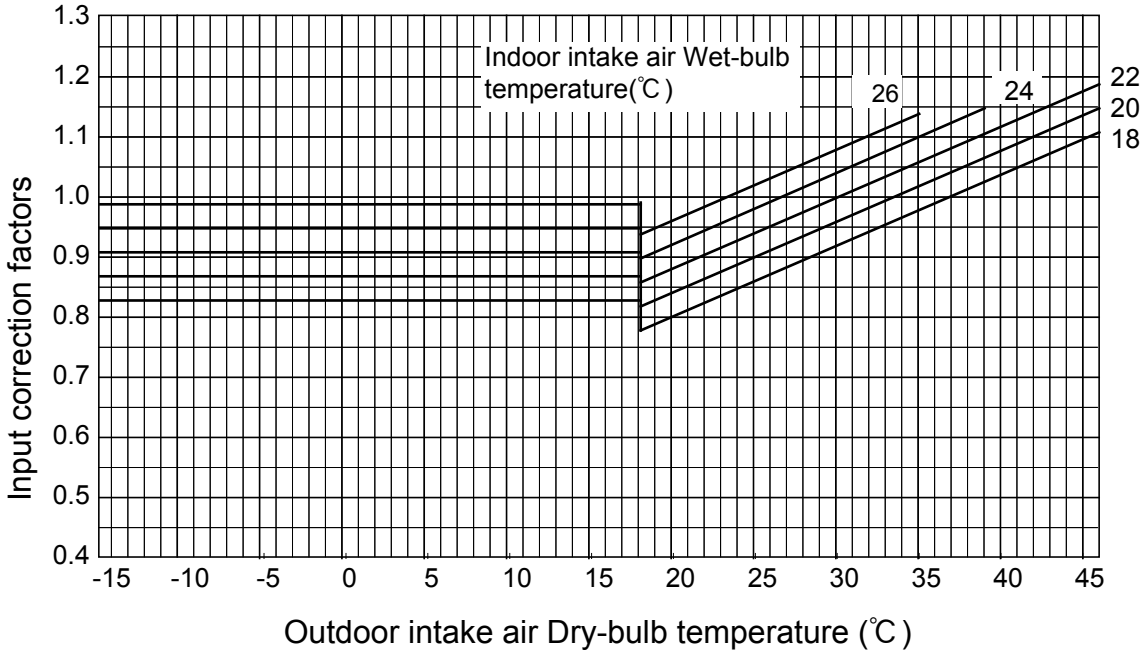


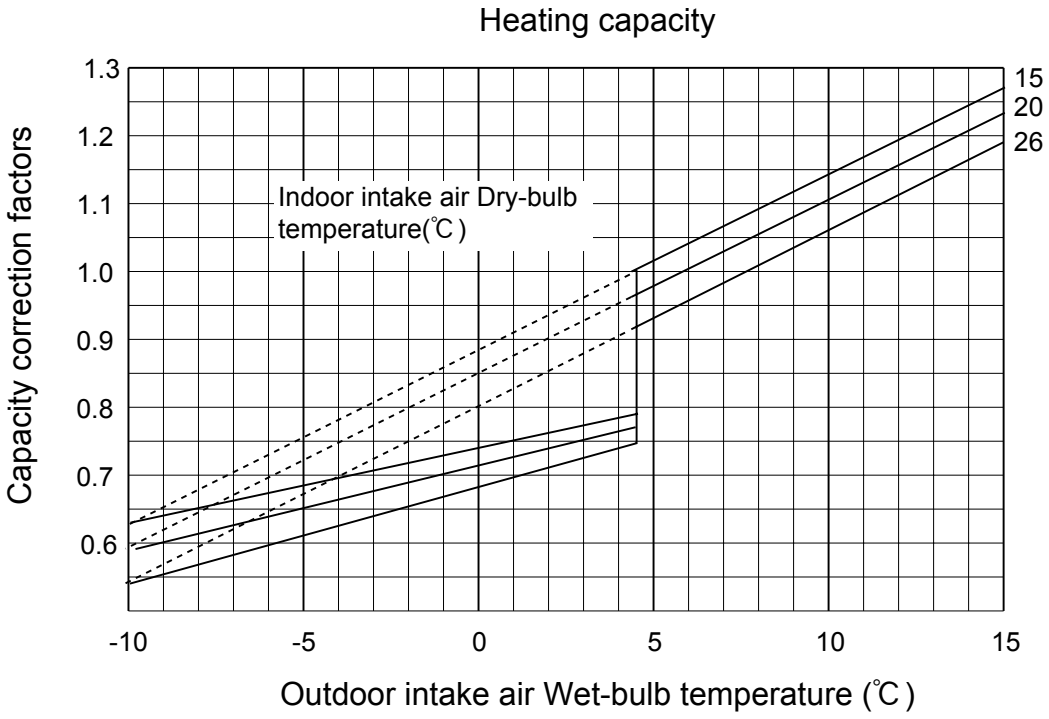
FOR THE COMBINATION OF OUTDOOR UNIT SUZ-KA50/60/71VA2

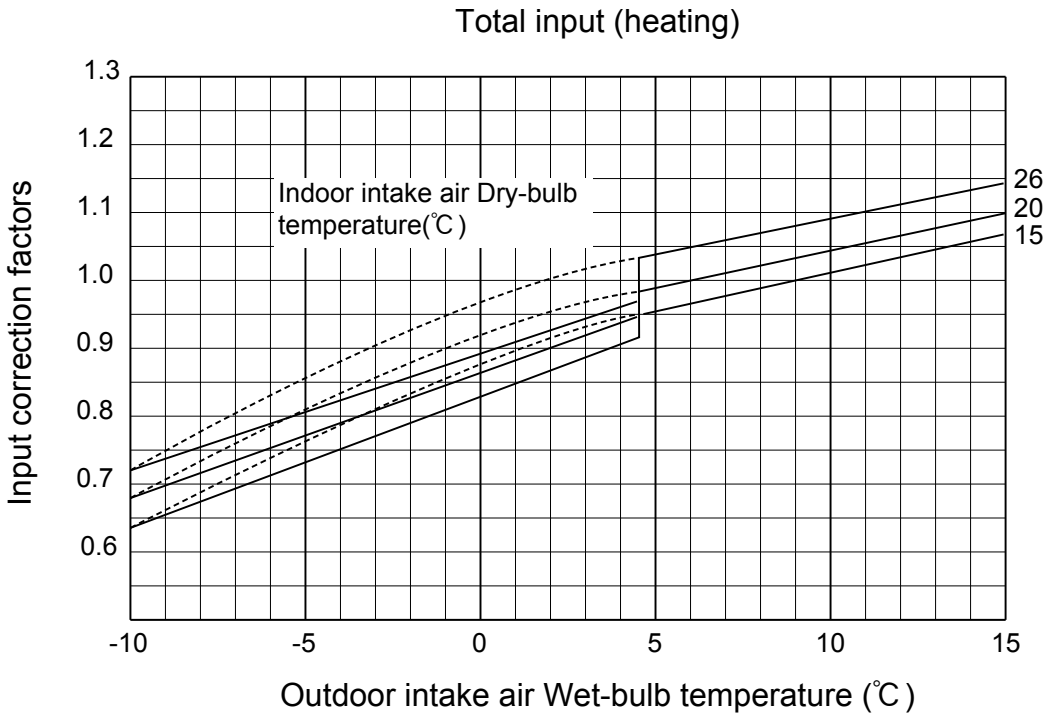
Cooling capacity



Total input (cooling)







NOTE: The above curves are for the heating operation without any frost.

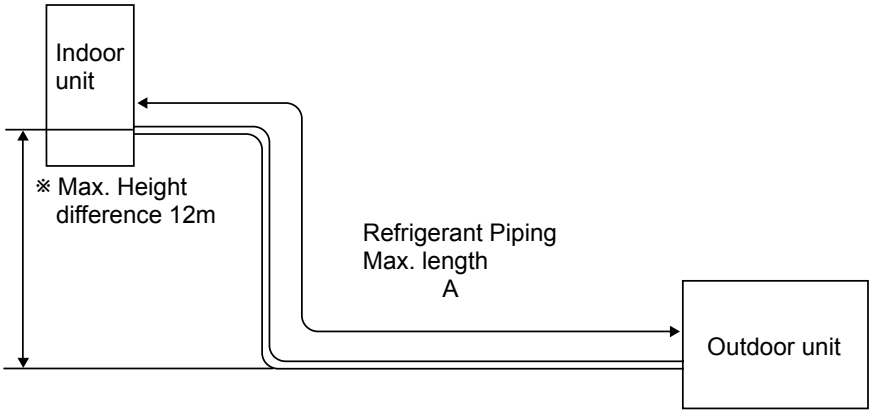
7 APPLICABLE EXTENSION PIPE FOR EACH MODEL

SUZ-KA25VA2
SUZ-KA35VA2

MAX. REFRIGERANT PIPING LENGTH

Models	Refrigerant piping Max. length : m A	Piping size O.D : mm	
		Gas	Liquid
SUZ-KA25VA2 **SUZ-KA35VA2**	20	9.52	6.35

MAX. HEIGHT DIFFERENCE



※ Height difference should be within 12m regardless of which unit, indoor or outdoor position is high.

ADDITIONAL REFRIGERANT CHARGE (R410A:g)

Models	Outdoor unit precharged	Refrigerant piping length (one way)											
		5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	20m
SUZ-KA25VA2	800	0	0	0	90	120	150	180	210	240	270	300	450
SUZ-KA35VA2	1,050	0	0	0	90	120	150	180	210	240	270	300	450

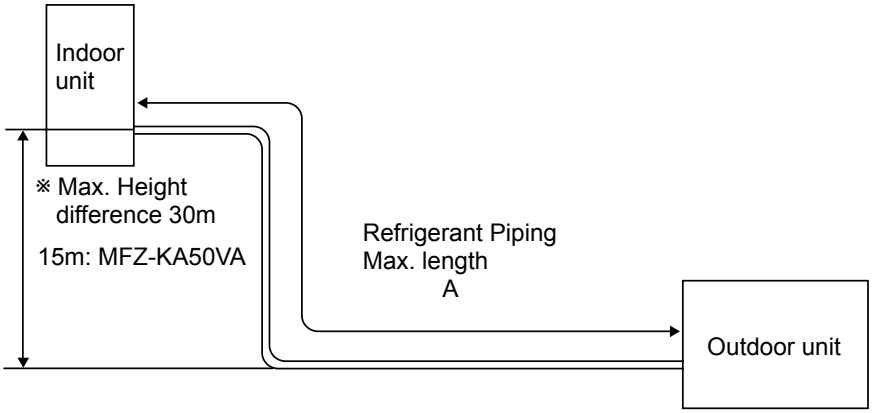
Calculation : Xg=30g/m × (Refrigerant piping length (m) -5)

SUZ-KA50VA2
SUZ-KA60VA2
SUZ-KA71VA2

MAX. REFRIGERANT PIPING LENGTH

Models	Refrigerant piping Max. length : m A	Piping size O.D : mm	
		Gas	Liquid
SUZ-KA50VA2	30	12.7	6.35
SUZ-KA60VA2		15.88	
SUZ-KA71VA2			9.52

MAX. HEIGHT DIFFERENCE



※ Height difference should be within 30m regardless of which unit, indoor or outdoor position is high.

ADDITIONAL REFRIGERANT CHARGE (R410A : g)

Models	Outdoor unit precharged	Refrigerant piping length (one way)					
		7m	10m	15m	20m	25m	30m
SUZ-KA50VA2	1,600	0	60	160	260	360	460
SUZ-KA60VA2	1,800	0	60	160	260	360	460

Calculation : Xg=20g/m × (Refrigerant piping length (m) -7)

Models	Outdoor unit precharged	Refrigerant piping length (one way)					
		7m	10m	15m	20m	25m	30m
SUZ-KA71VA2	1,800	0	165	440	715	990	1,265

Calculation : Xg=55g/m × (Refrigerant piping length (m) -7)

8 AIR FLOW DATA

8-1. OUTLET AIR SPEED AND COVERAGE RANGE

		MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
Air flow	m³/min.	8.9	9.1	11.2
Air speed	m/sec.	1.8	1.9	2.2
Coverage range	m	5.1	5.3	6.2

		SLZ-KA25VA(Q) SLZ-KA25VAL	SLZ-KA35VA(Q) SLZ-KA35VAL	SLZ-KA50VA(Q) SLZ-KA50VAL
Air flow	m³/min.	10	11	11
Air speed	m/sec.	3.4	3.7	3.7
Coverage range	m	3.7	4.1	4.1

		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA(2)
Air flow	m³/min.	15	18	18	21
Air speed	m/sec.	2.6	3.2	3.2	3.7
Coverage range	m	4.1	4.8	4.8	5.6

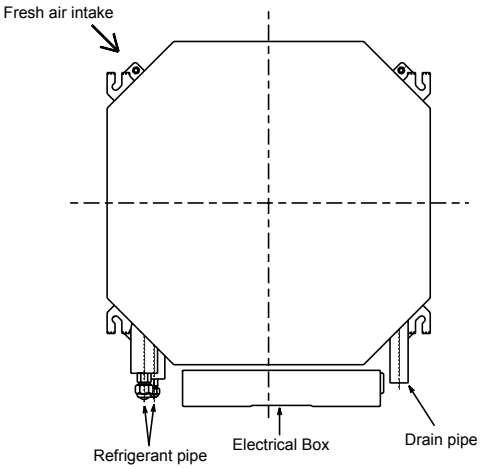
		PCA-RP50KA(Q)	PCA-RP60KA(Q)	PCA-RP71KA(Q)
Air flow	m³/min.	15	19	20
Air speed	m/sec.	3.3	3.1	3.2
Coverage range	m	9.0	9.6	10.1

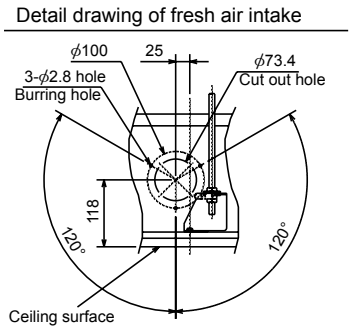
※ The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

8-2. SLZ-KA•VA SLZ-KA•VAL SLZ-KA•VAQ

8-2-1. Fresh air intake (Location for installation)

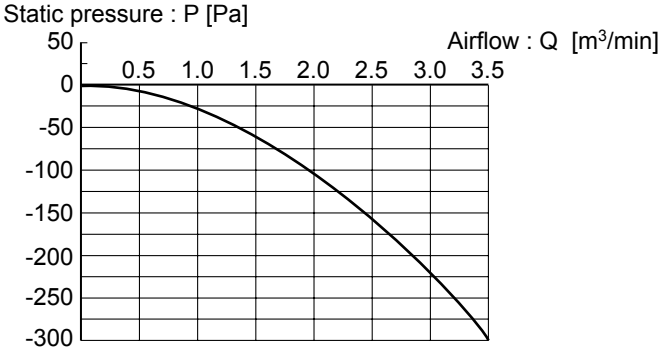
At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.





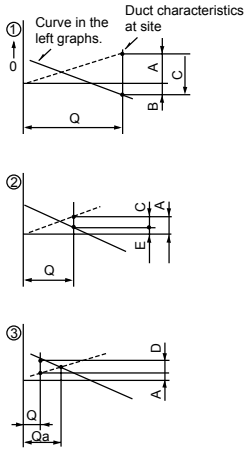
8-2-2. Fresh air intake amount & static pressure characteristics

Taking air into the unit



NOTE: Fresh air intake amount should be 20% or less of whole air amount to prevent dew dripping.

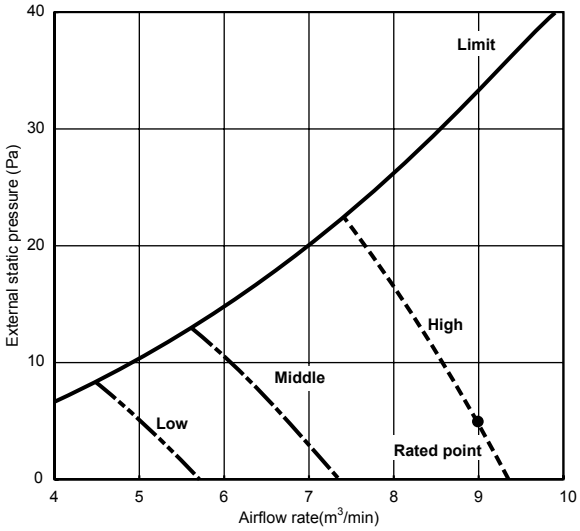
How to read curves



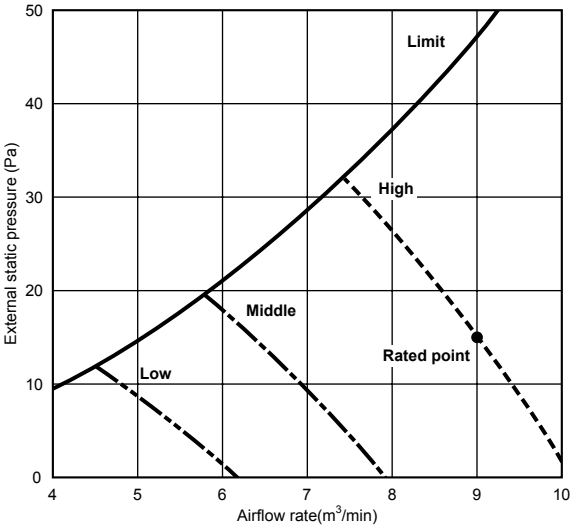
Q…Designed amount of fresh air intake <m³/min>
A…Static pressure loss of fresh air intake duct system with airflow amount Q <Pa>
B…Forced static pressure at air conditioner inlet with airflow amount Q <Pa>
C…Static pressure of booster fan with airflow amount Q <Pa>
D…Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa>
E…Static pressure of indoor unit with airflow amount Q
Qa…Estimated amount of fresh air intake without D <m³/min>

8-3. SEZ-KD•VA(L)/VAQ
INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

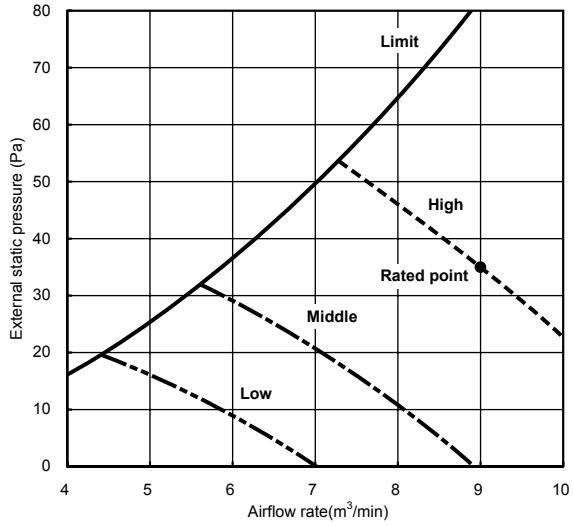
SEZ-KD25VA(L)/VAQ
(External static pressure 5Pa) 220-240V 50/60Hz



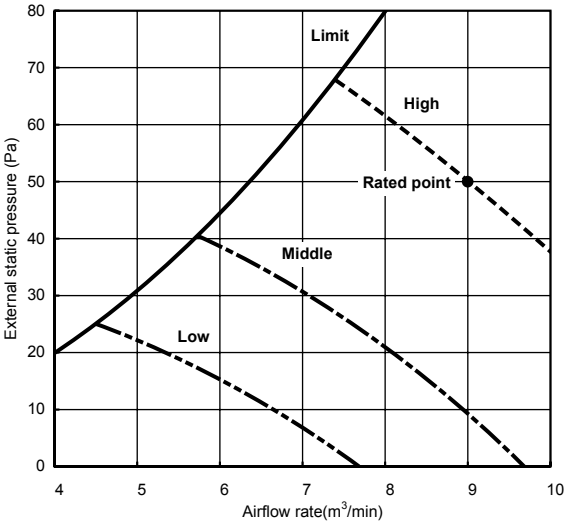
SEZ-KD25VA(L)/VAQ
(External static pressure 15Pa) 220-240V 50/60Hz



SEZ-KD25VA(L)/VAQ
(External static pressure 35Pa) 220-240V 50/60Hz

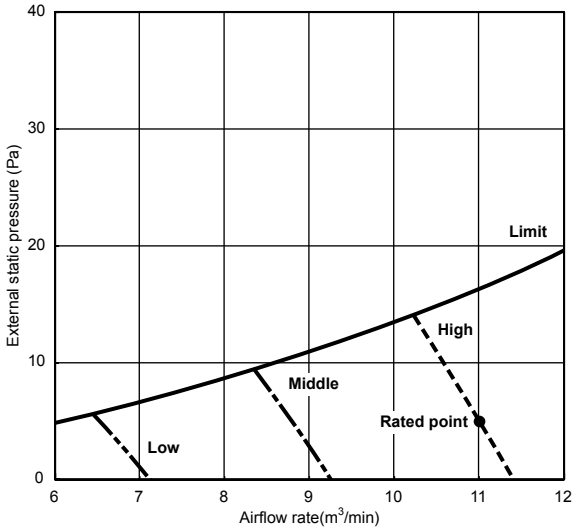


SEZ-KD25VA(L)/VAQ
(External static pressure 50Pa) 220-240V 50/60Hz



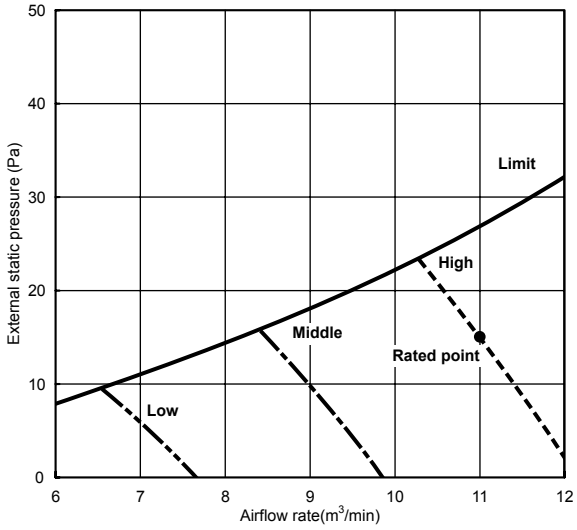
SEZ-KD35VA(L)/VAQ

(External static pressure 5Pa) 220-240V 50/60Hz



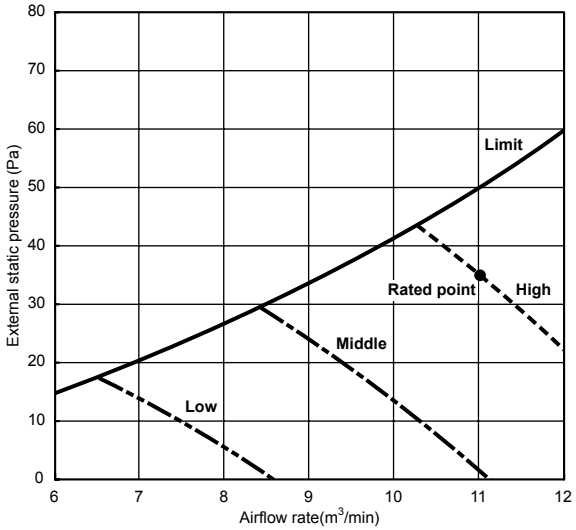
SEZ-KD35VA(L)/VAQ

(External static pressure 15Pa) 220-240V 50/60Hz



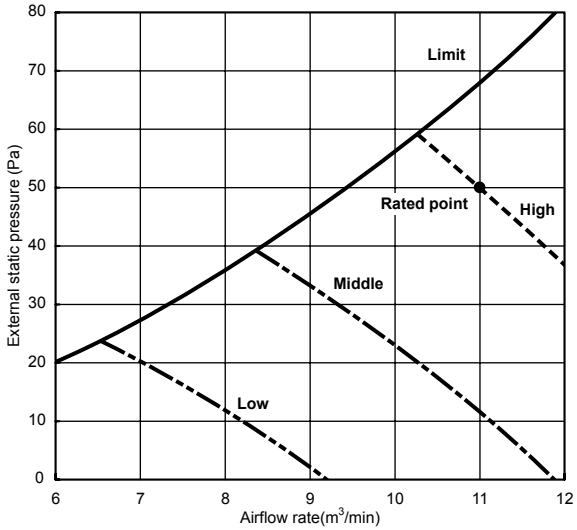
SEZ-KD35VA(L)/VAQ

(External static pressure 35Pa) 220-240V 50/60Hz



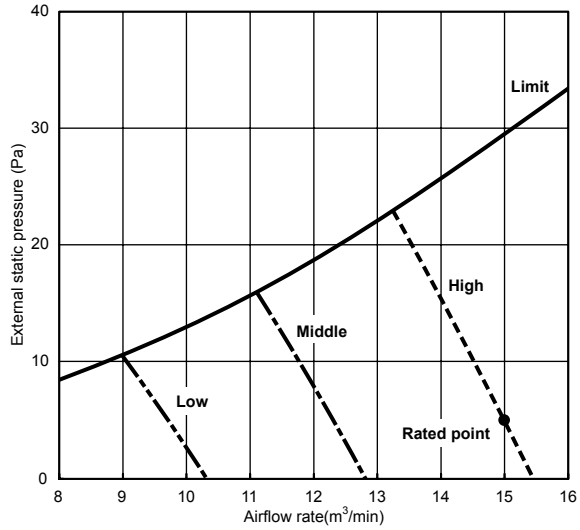
SEZ-KD35VA(L)/VAQ

(External static pressure 50Pa) 220-240V 50/60Hz



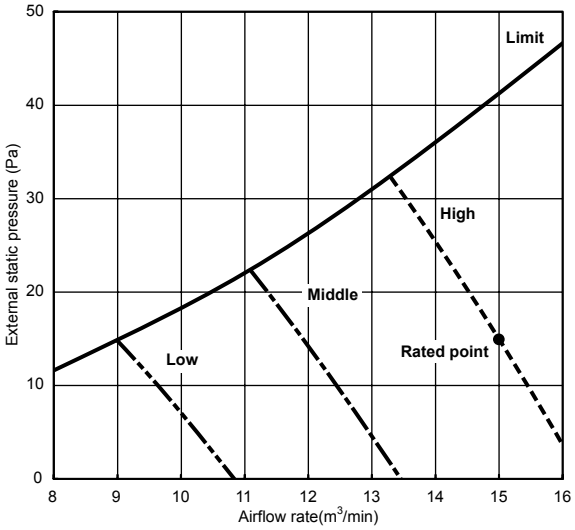
SEZ-KD50VA(L)/VAQ

(External static pressure 5Pa) 220-240V 50/60Hz



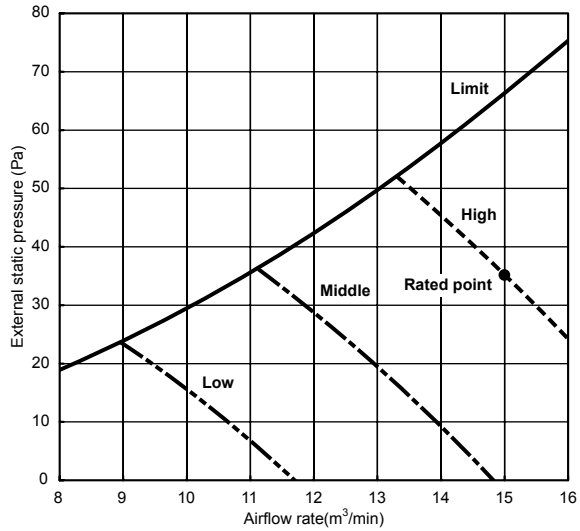
SEZ-KD50VA(L)/VAQ

(External static pressure 15Pa) 220-240V 50/60Hz



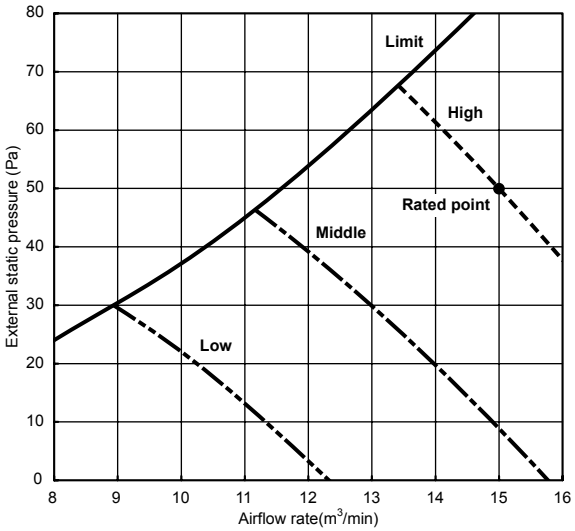
SEZ-KD50VA(L)/VAQ

(External static pressure 35Pa) 220-240V 50/60Hz



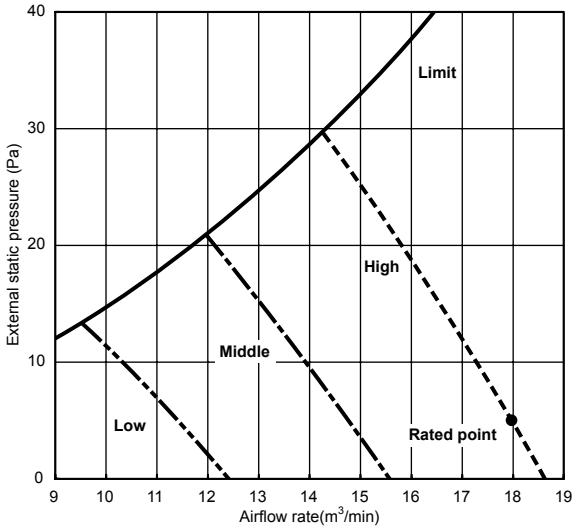
SEZ-KD50VA(L)/VAQ

(External static pressure 50Pa) 220-240V 50/60Hz



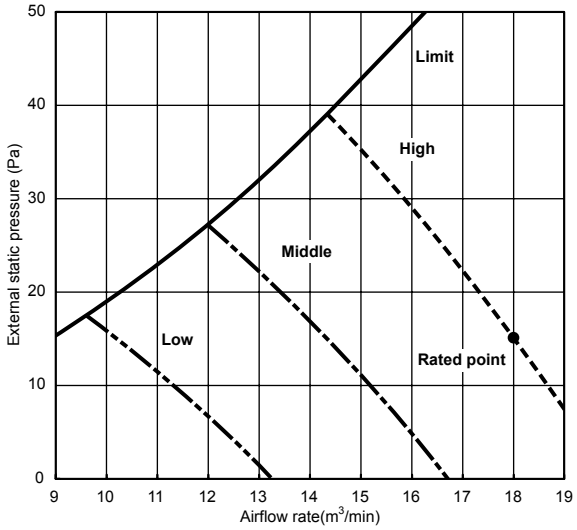
SEZ-KD60VA(L)/VAQ

(External static pressure 5Pa) 220-240V 50/60Hz



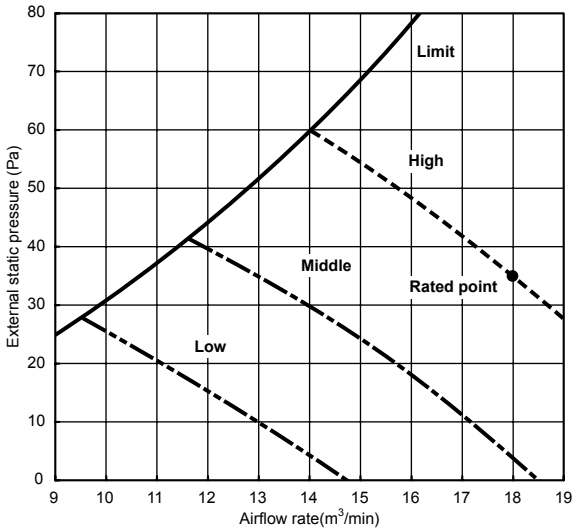
SEZ-KD60VA(L)/VAQ

(External static pressure 15Pa) 220-240V 50/60Hz



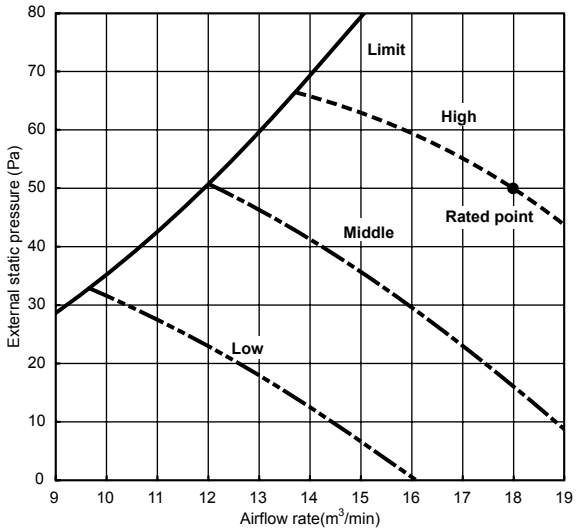
SEZ-KD60VA(L)/VAQ

(External static pressure 35Pa) 220-240V 50/60Hz



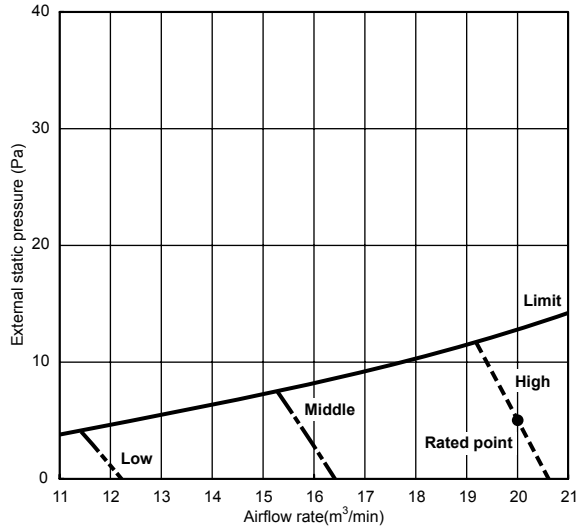
SEZ-KD60VA(L)/VAQ

(External static pressure 50Pa) 220-240V 50/60Hz



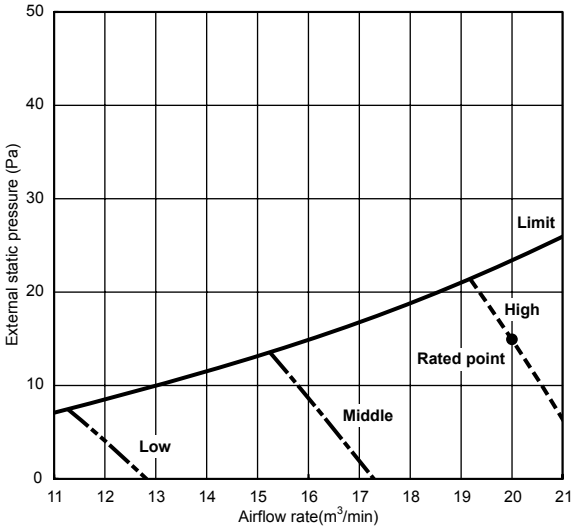
SEZ-KD71VA(L)/VAQ

(External static pressure 5Pa) 220-240V 50/60Hz



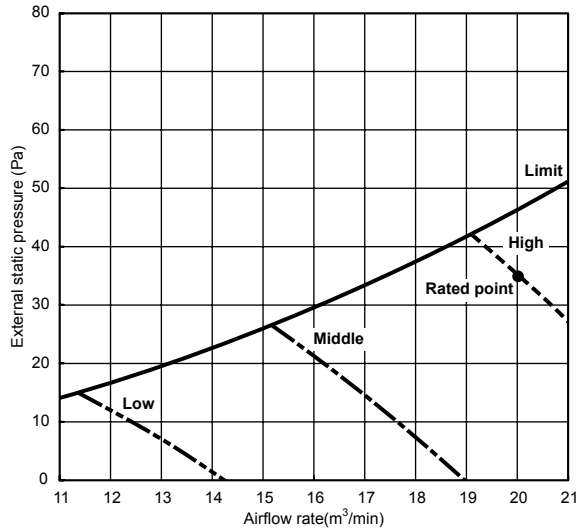
SEZ-KD71VA(L)/VAQ

(External static pressure 15Pa) 220-240V 50/60Hz



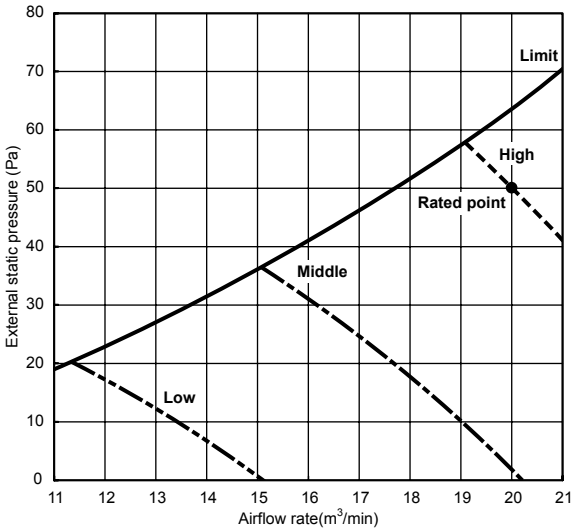
SEZ-KD71VA(L)/VAQ

(External static pressure 35Pa) 220-240V 50/60Hz



SEZ-KD71VA(L)/VAQ

(External static pressure 50Pa) 220-240V 50/60Hz



8-4. PLA-RP·BA

8-4-1 FRESH AIR INTAKE AND BRANCH DUCT

1. Branch duct hole and fresh air intake hole (Fig. 1)

At the time of installation, use the duct holes (cut out) located at the positions shown in Fig.1, as and when required.
• A fresh air intake hole for the optional multi function casement can also be made.

Note:
The figure marked with * in the drawing represent the dimensions of the main unit excluding those of the optional multi function casement.
When installing the optional multi function casement, add 135 mm to the dimensions marked on the figure.
When installing the branch ducts, be sure to insulate adequately.
Otherwise condensation and dripping may occur.
When installing the fresh air intake hole, be sure to remove the insulator that is pasted on the indoor unit.

Unit : mm

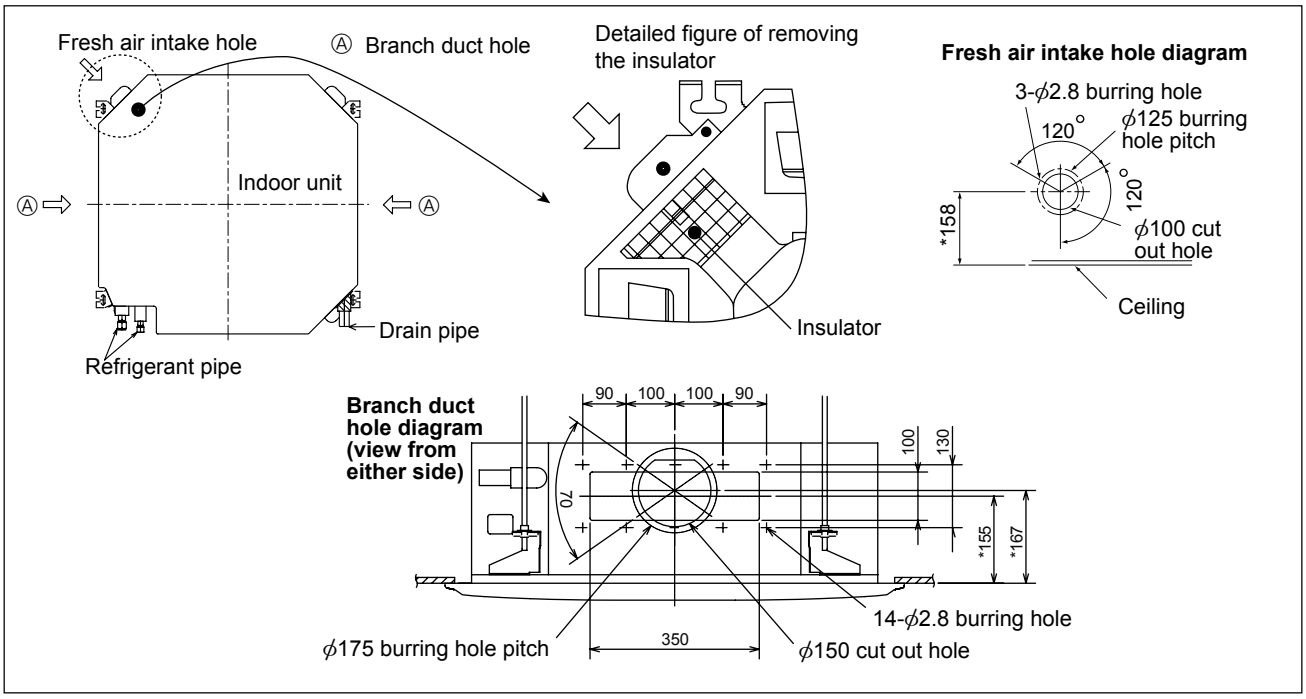
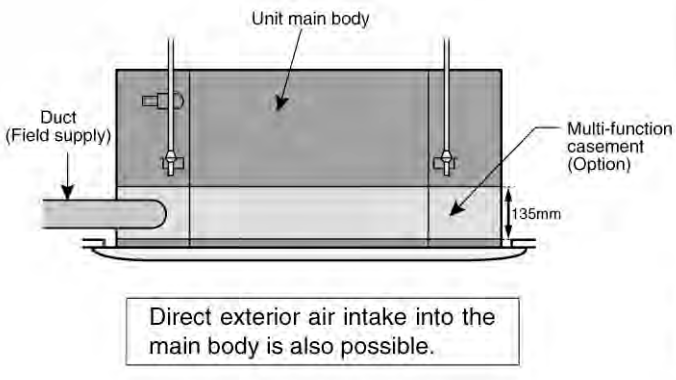
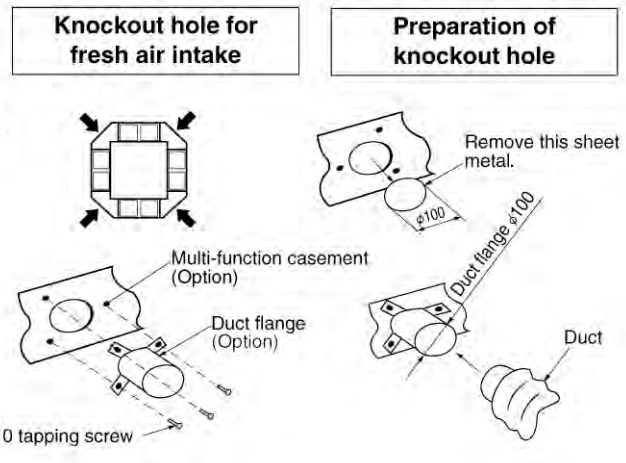


Fig. 1

2. Fresh air intake (Installation at site)

● By mounting the optional multi-function casement to the indoor unit main body, and mounting the duct and duct flange (option) onto it further, fresh exterior air intake can be accomplished.
(The mounting of the multi-function casement increases the height of the ceiling plenum by 135 mm.)

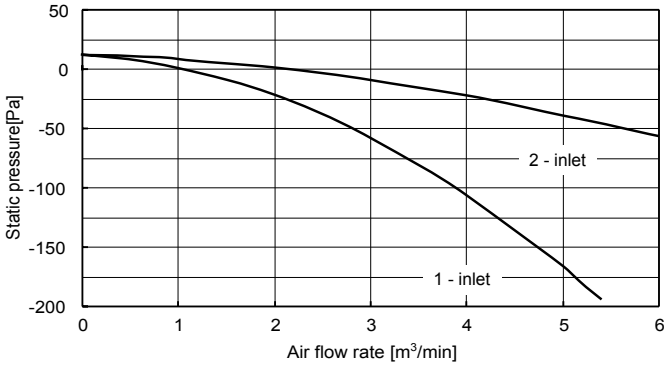

Unit main body
Duct (Field supply)
Multi-function casement (Option)
135mm
Direct exterior air intake into the main body is also possible.



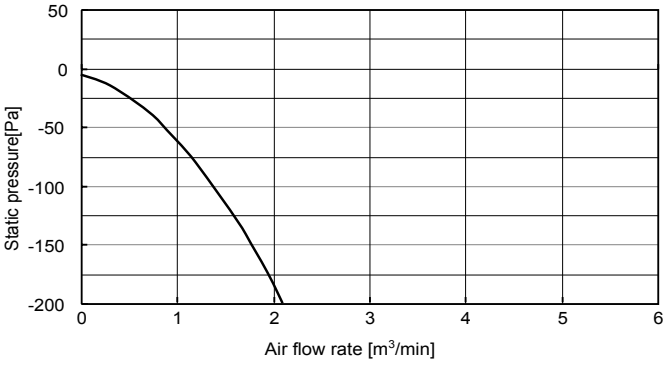
3. Fresh air intake volume & static pressure characteristics

PLA-RP35~71BA(2)

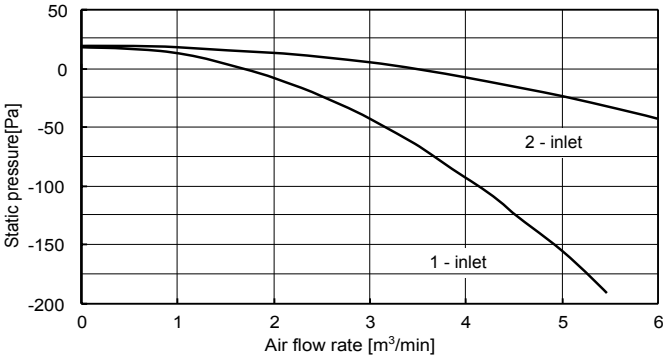
① At using multi-function casement, standard filter



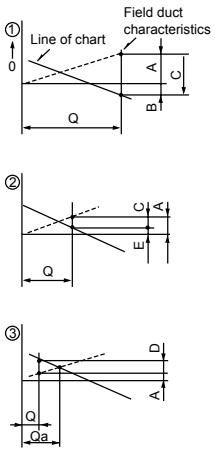
② Direct intake to unit



③ At using multi-function casement, high efficiency filter



How to read the chart

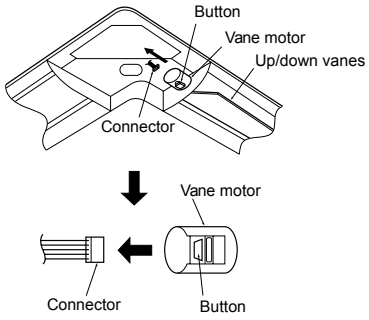


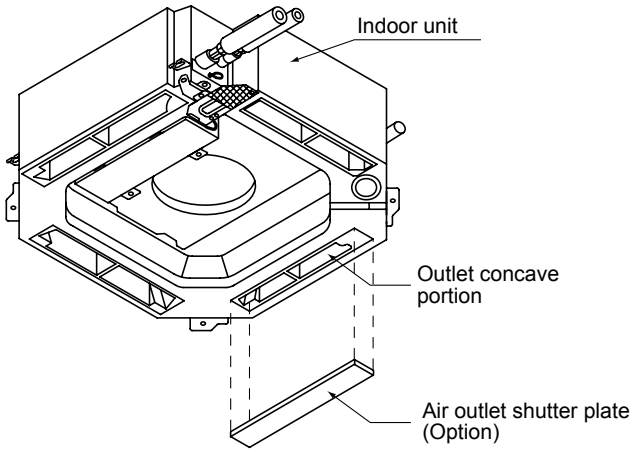
Q…Designed fresh air intake volume <m3/min>
A…Static pressure loss [Pa] of fresh air intake duct at airflow rate of Q
B…Required boost pressure [Pa] of air conditioner inlet at airflow rate of Q
C…Required static pressure [Pa] of booster fan at airflow rate of Q
D…Required compensation [Pa] for static pressure loss of fresh air intake duct to make airflow rate Q
E…Static pressure [Pa] of indoor unit at airflow rate of Q
Qa…Estimated fresh air intake [m3/min] without compensation of D

4. Change of outlet numbers

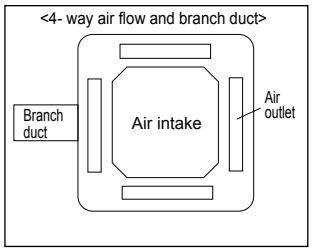
[The optional air outlet is necessary.]
To change the air outlet number to 3-, or 2-way outlet, the outlet number should be closed with the operational air outlet shutter.

(When the air outlets are closed, close the vane by removing the vane connector.)

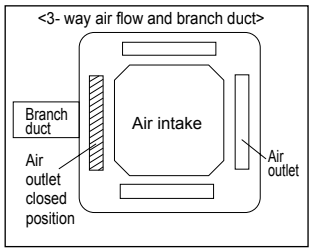




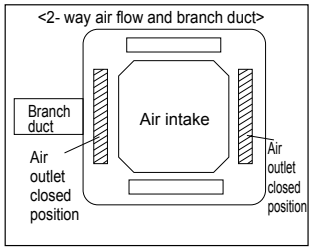
5. Branch duct and change of outlet numbers



※ Branch duct should be connected to one of the branch duct holes on the main unit.



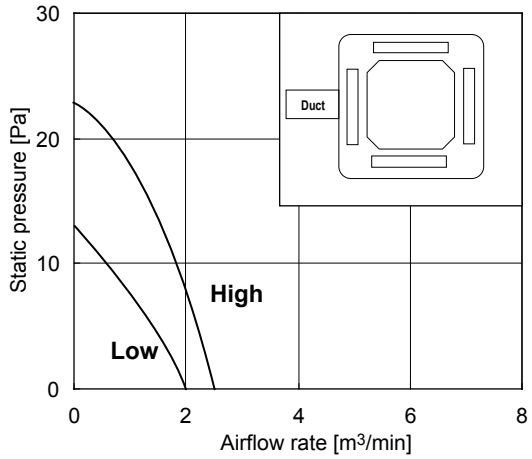
※ Close the outlet on the side of branch duct and air flows in 3 directions.



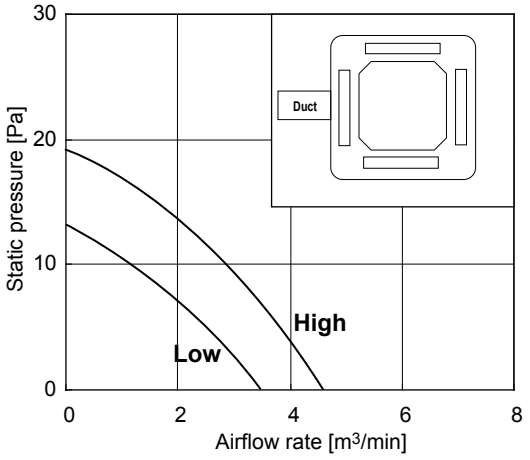
※ The outlet on the side of branch duct and one of the other outlets are closed.
Air flows in 2 directions.

PLA-RP71BA(2)

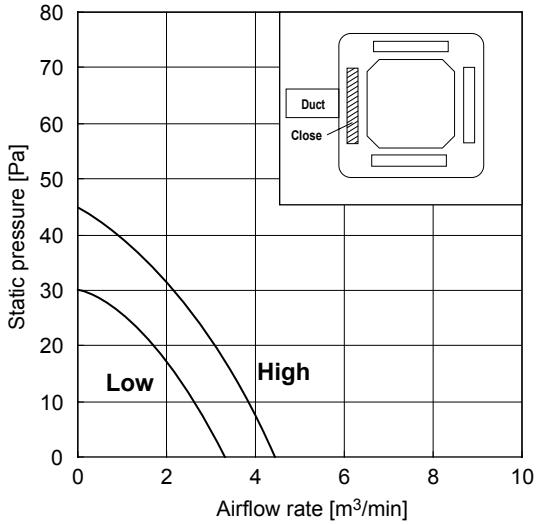
●4-way airflow (horizontal vane) Round duct



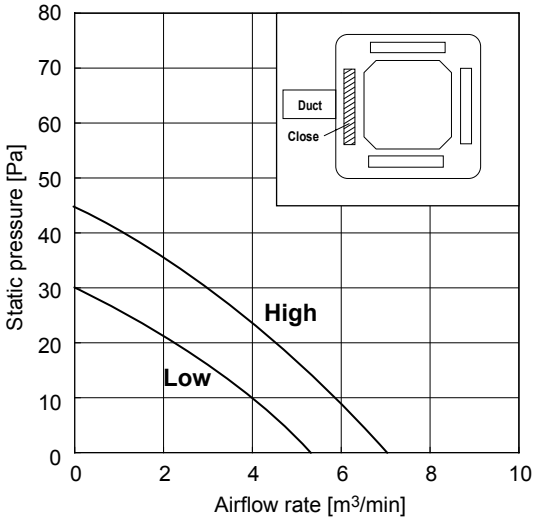
●4-way airflow (horizontal vane) Rectangular duct



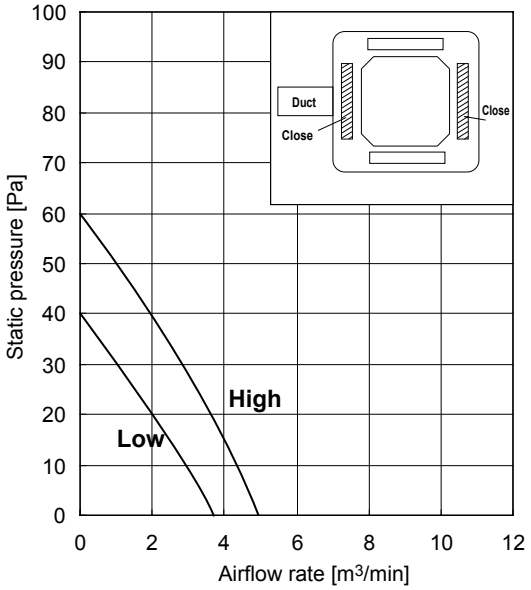
●3-way airflow (horizontal vane) Round duct



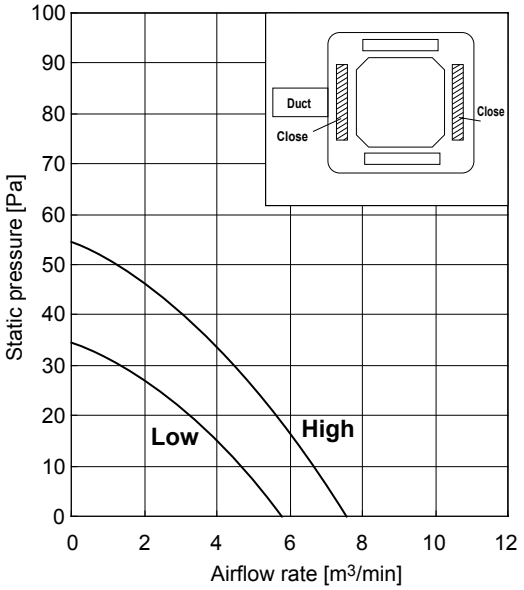
●3-way airflow (horizontal vane) Rectangular duct



●2-way airflow (horizontal vane) Round duct



●2-way airflow (horizontal vane) Rectangular duct



• Use 1 of the 2 duct holes on the indoor unit.
• Air flow rate of PLA-RP35~60BA can be calculated from the airflow rate based on the characteristic of the duct for PLA-RP71BA.
• Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way air flow.

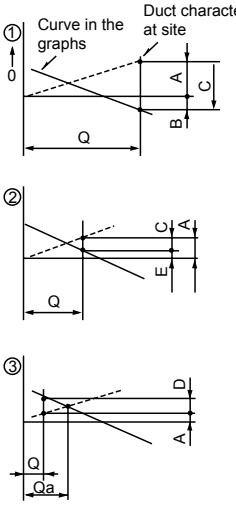
8-5. PCA-RP·KA(Q)

8-5-1. Fresh air intake amount & static pressure characteristics

PCA-RP50KA(Q)

PCA-RP60, 71KA(Q)

How to read the chart

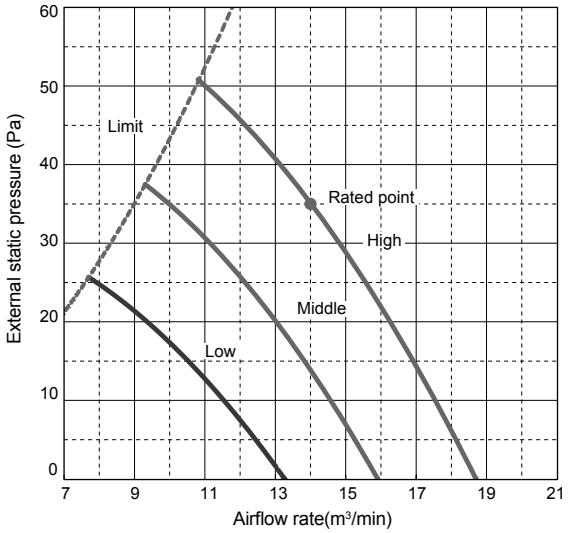


Q…Designed amount of fresh air intake <m³/min>
A…Static pressure loss of fresh air intake duct system with airflow amount Q <Pa>
B…Forced static pressure at air conditioner inlet with airflow amount Q <Pa>
C…Static pressure of booster fan with airflow amount Q <Pa>
D…Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa>
E…Static pressure of indoor unit with airflow amount Q
Qa…Estimated amount of fresh air intake without D <m³/min>

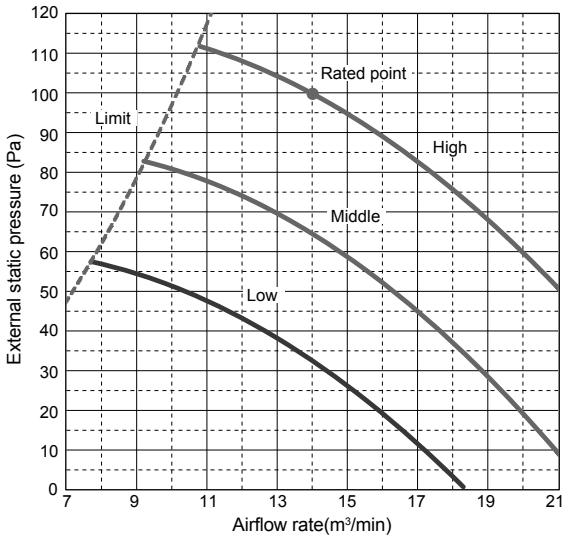
8-6. PEAD-RP·JA(L)(Q)

8-6-1. Fan performance

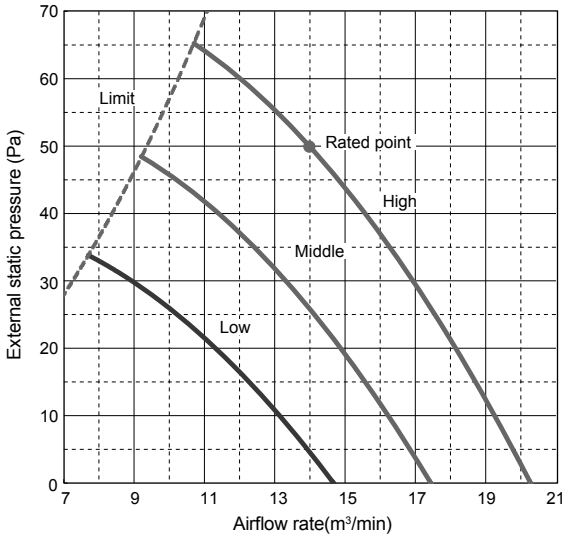
PEAD-RP35JA(L)(Q)
(External static pressure 35Pa) 220-240V 50Hz



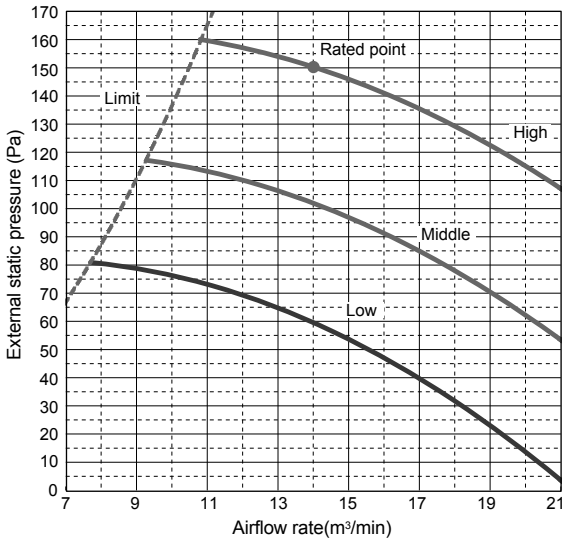
PEAD-RP35JA(L)(Q)
(External static pressure 100Pa) 220-240V 50Hz



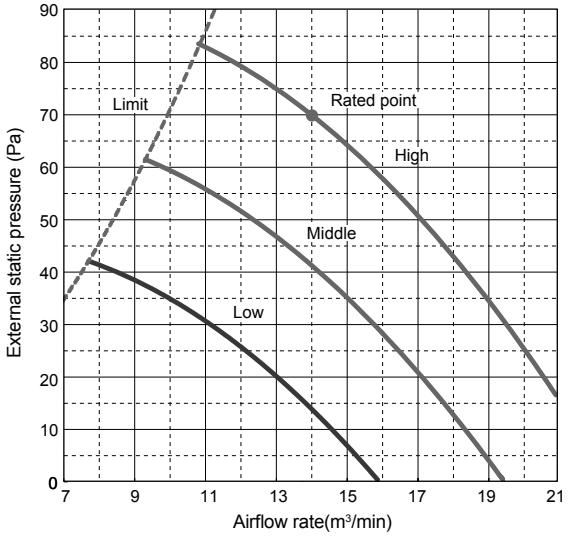
PEAD-RP35JA(L)(Q)
(External static pressure 50Pa) 220-240V 50Hz



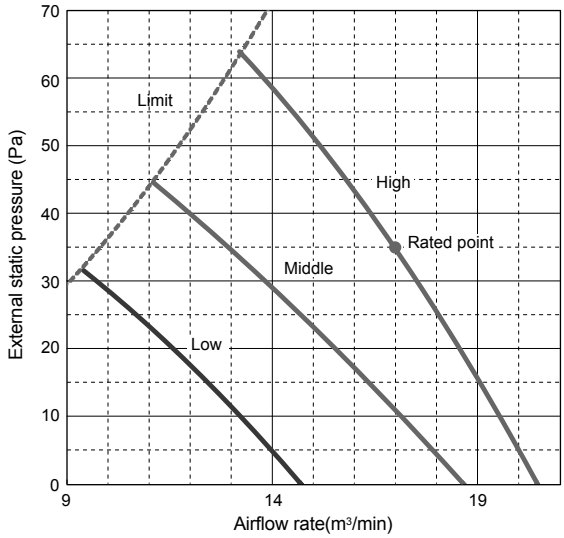
PEAD-RP35JA(L)(Q)
(External static pressure 150Pa) 220-240V 50Hz



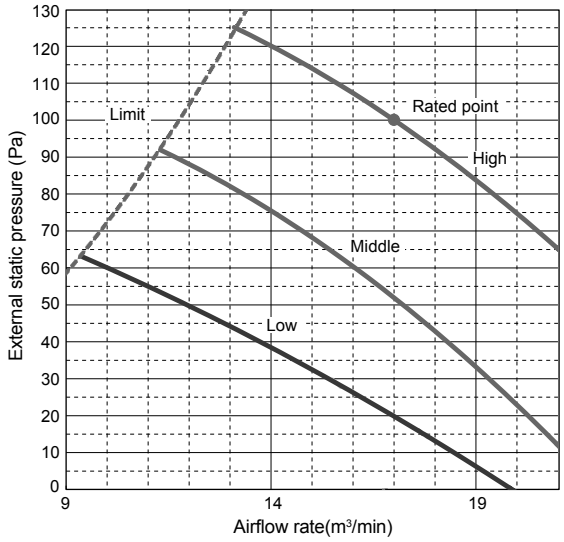
PEAD-RP35JA(L)(Q)
(External static pressure 70Pa) 220-240V 50Hz



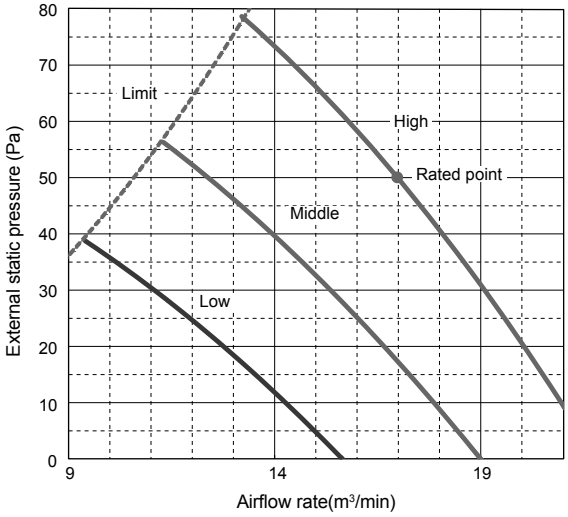
PEAD-RP50JA(L)(Q)
(External static pressure 35Pa) 220-240V 50Hz



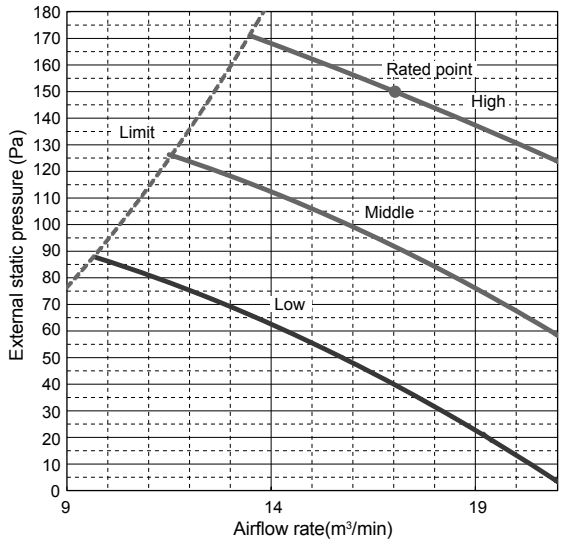
PEAD-RP50JA(L)(Q)
(External static pressure 100Pa) 220-240V 50Hz



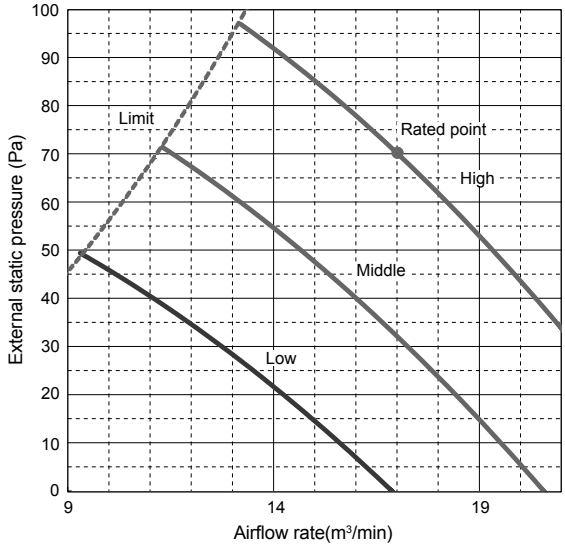
PEAD-RP50JA(L)(Q)
(External static pressure 50Pa) 220-240V 50Hz



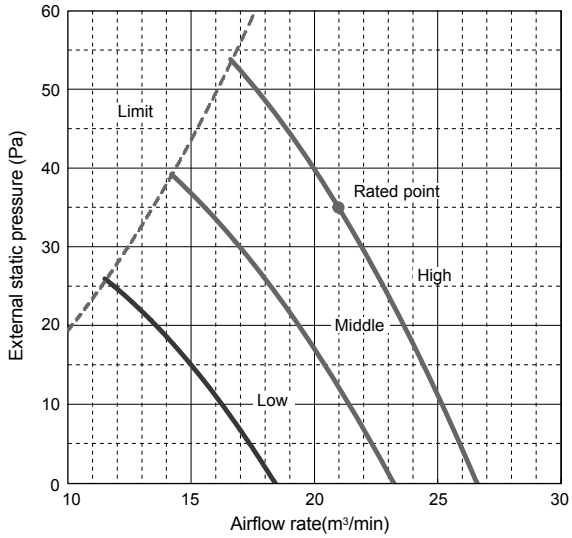
PEAD-RP50JA(L)(Q)
(External static pressure 150Pa) 220-240V 50Hz



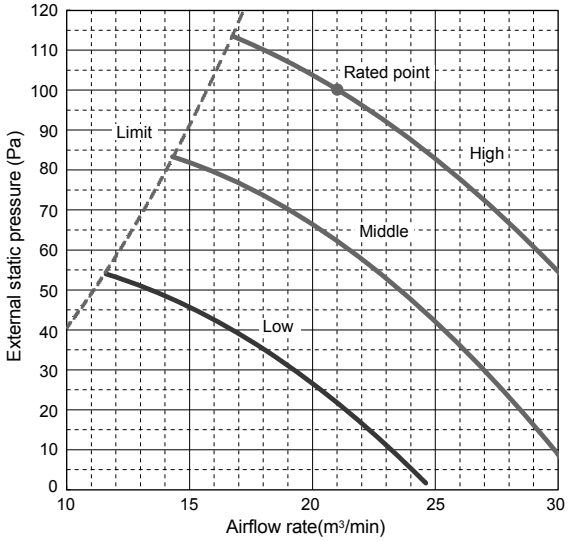
PEAD-RP50JA(L)(Q)
(External static pressure 70Pa) 220-240V 50Hz



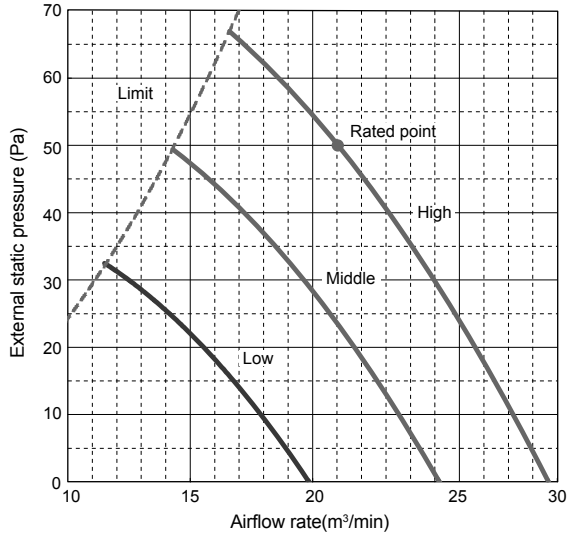
PEAD-RP60JA(L)(Q)
(External static pressure 35Pa) 220-240V 50Hz



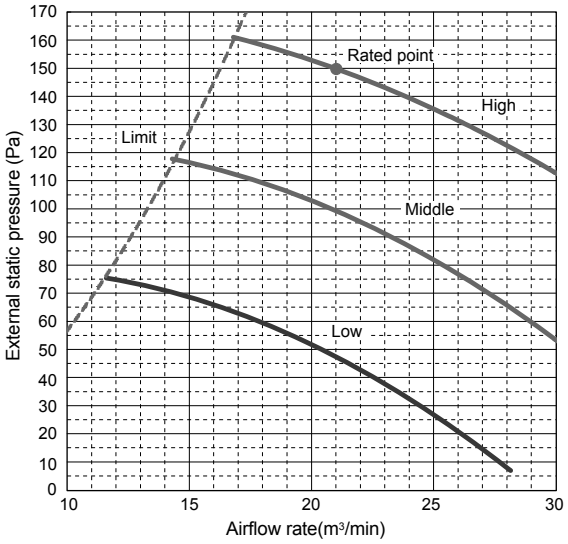
PEAD-RP60JA(L)(Q)
(External static pressure 100Pa) 220-240V 50Hz



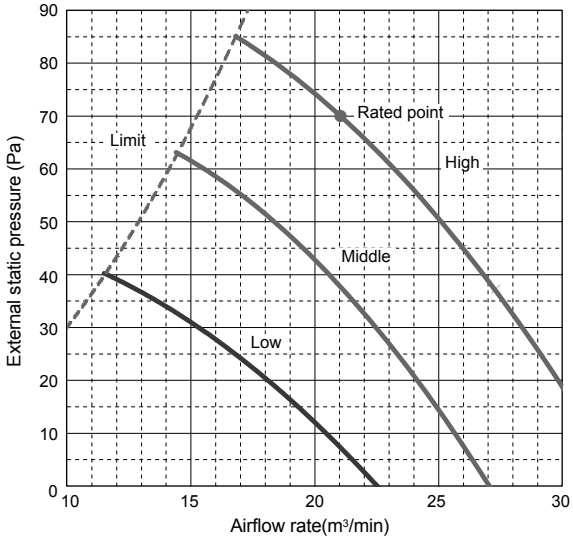
PEAD-RP60JA(L)(Q)
(External static pressure 50Pa) 220-240V 50Hz



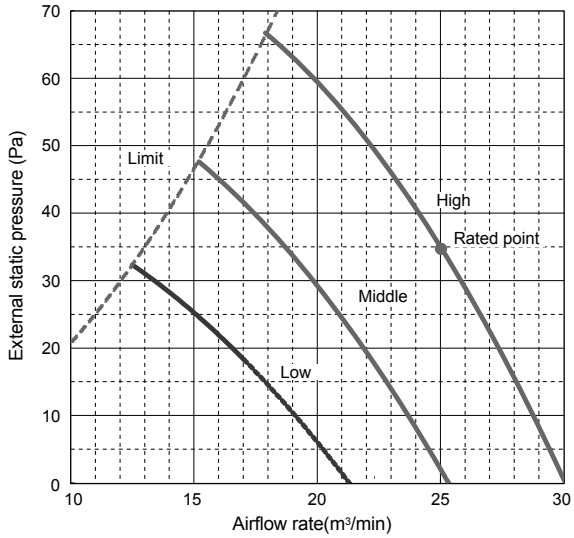
PEAD-RP60JA(L)(Q)
(External static pressure 150Pa) 220-240V 50Hz



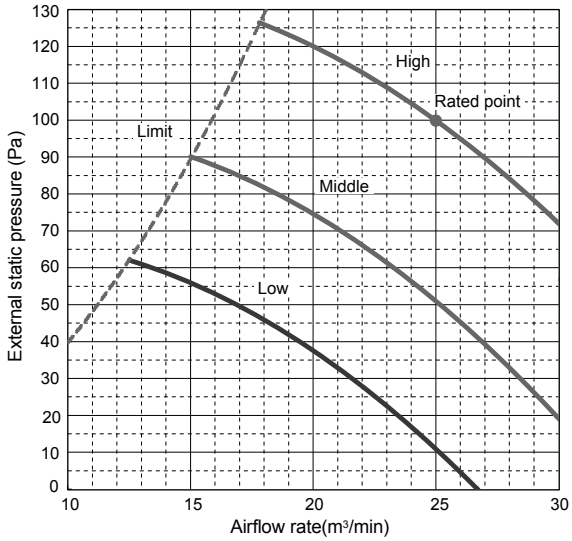
PEAD-RP60JA(L)(Q)
(External static pressure 70Pa) 220-240V 50Hz



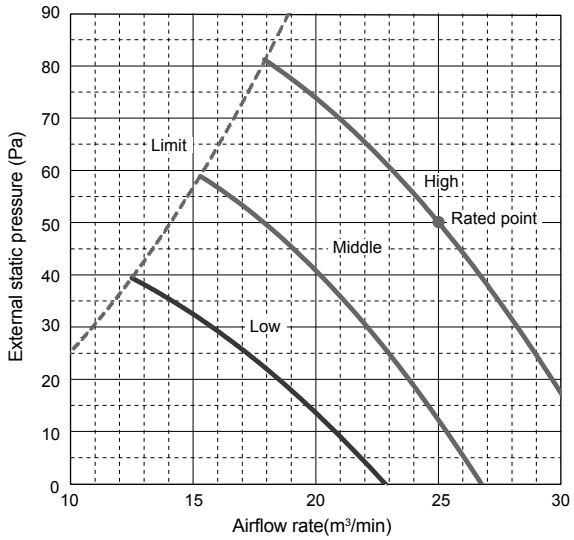
PEAD-RP71JA(L)(Q)
(External static pressure 35Pa) 220-240V 50Hz



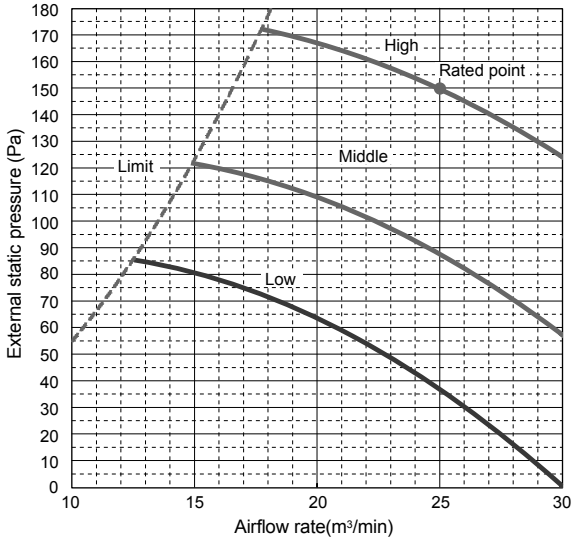
PEAD-RP71JA(L)(Q)
(External static pressure 100Pa) 220-240V 50Hz



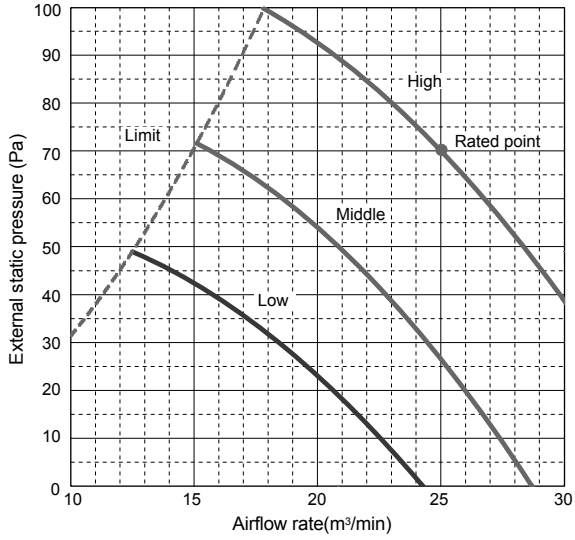
PEAD-RP71JA(L)(Q)
(External static pressure 50Pa) 220-240V 50Hz



PEAD-RP71JA(L)(Q)
(External static pressure 150Pa) 220-240V 50Hz



PEAD-RP71JA(L)(Q)
(External static pressure 70Pa) 220-240V 50Hz

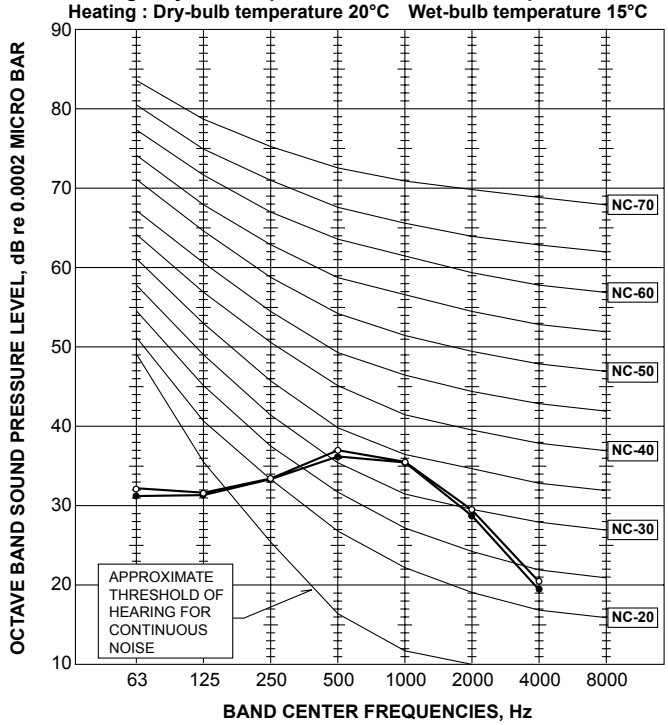


9 NOISE CRITERION CURVES

MFZ-KA25VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	37	●—●
	HEATING	37	○—○

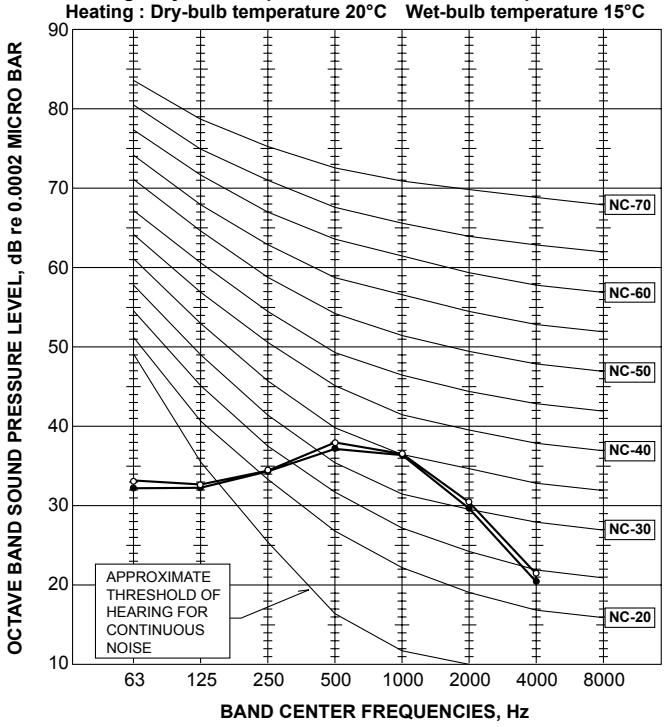
Test conditions,
Cooling : Dry-bulb temperature 27°C Wet-bulb temperature 19°C
Heating : Dry-bulb temperature 20°C Wet-bulb temperature 15°C



MFZ-KA35VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	38	●—●
	HEATING	38	○—○

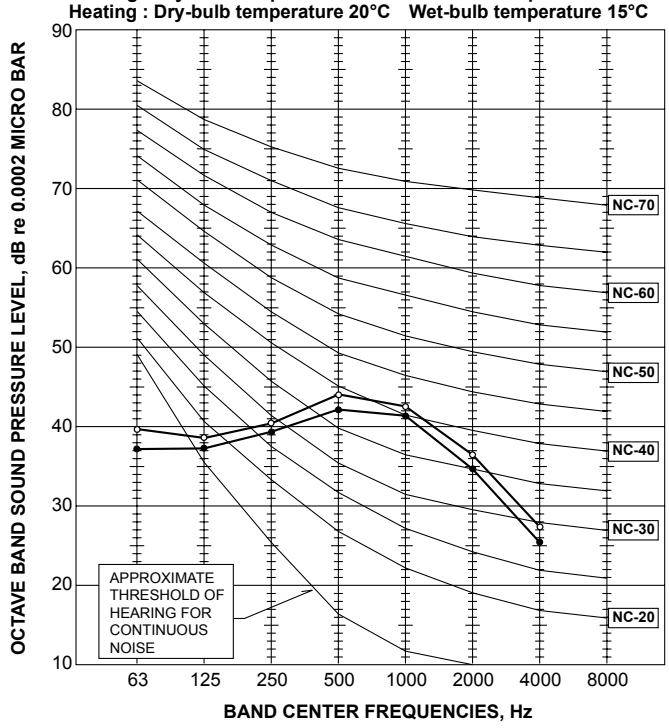
Test conditions,
Cooling : Dry-bulb temperature 27°C Wet-bulb temperature 19°C
Heating : Dry-bulb temperature 20°C Wet-bulb temperature 15°C

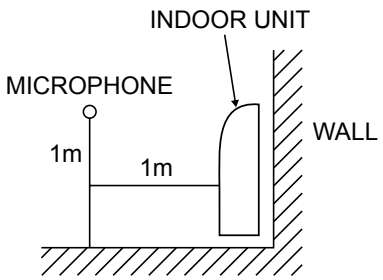


MFZ-KA50VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	44	○—○

Test conditions,
Cooling : Dry-bulb temperature 27°C Wet-bulb temperature 19°C
Heating : Dry-bulb temperature 20°C Wet-bulb temperature 15°C

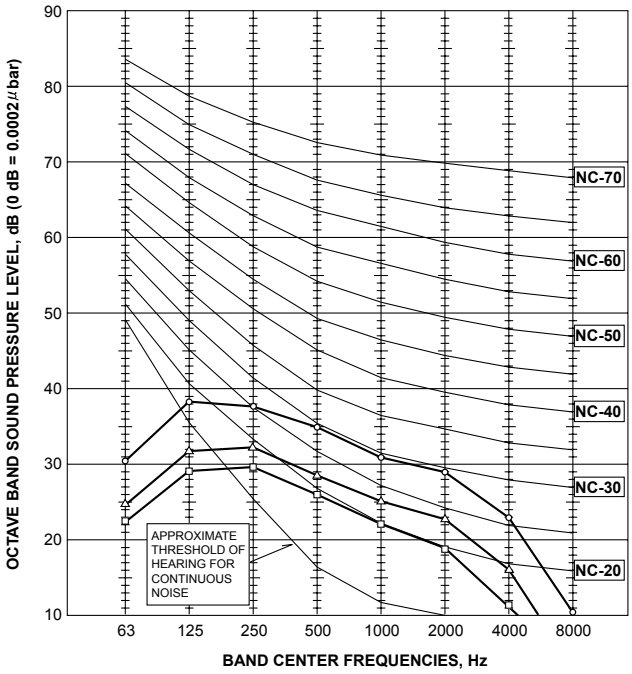




SLZ-KA25VAL
SLZ-KA25VA
SLZ-KA25VAQ

<50Hz>

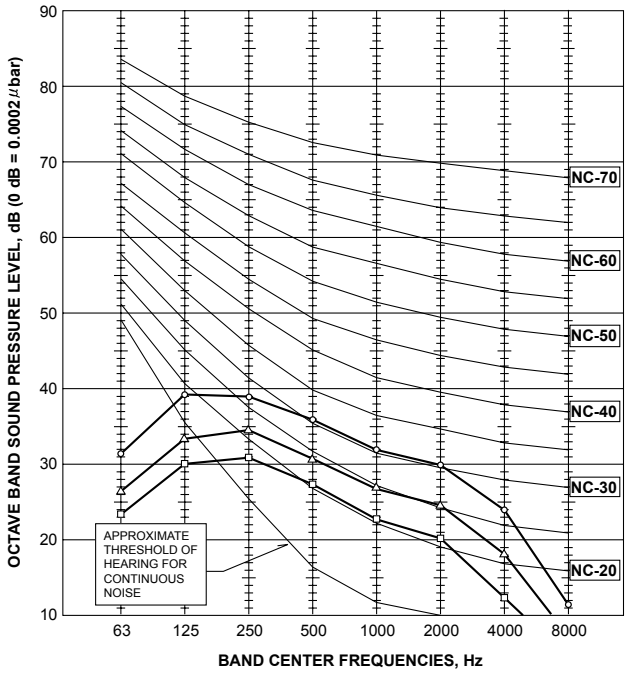
NOTCH	SPL(dB)	LINE
High	37	○—○
Medium	31	△—△
Low	28	□—□



SLZ-KA35VAL
SLZ-KA35VA
SLZ-KA35VAQ

<50Hz>

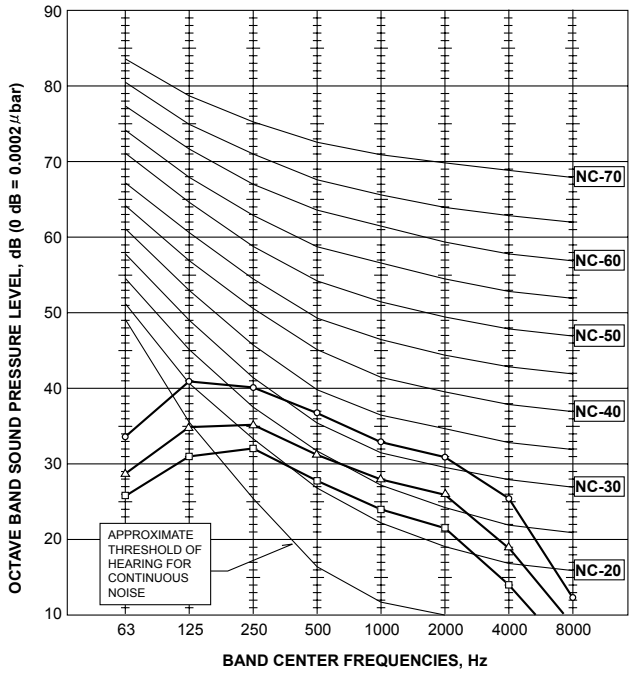
NOTCH	SPL(dB)	LINE
High	38	○—○
Medium	33	△—△
Low	29	□—□

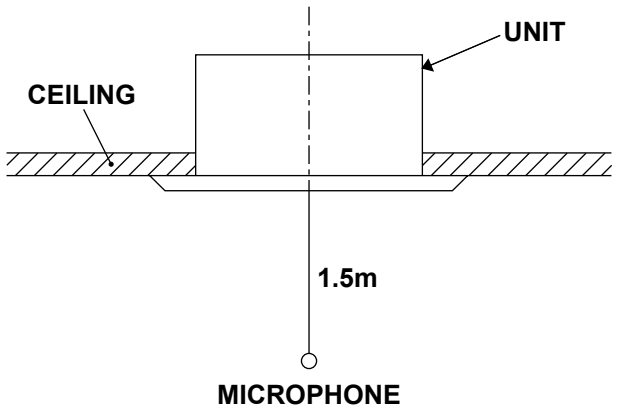


SLZ-KA50VAL
SLZ-KA50VA
SLZ-KA50VAQ

<50Hz>

NOTCH	SPL(dB)	LINE
High	39	○—○
Medium	34	△—△
Low	30	□—□





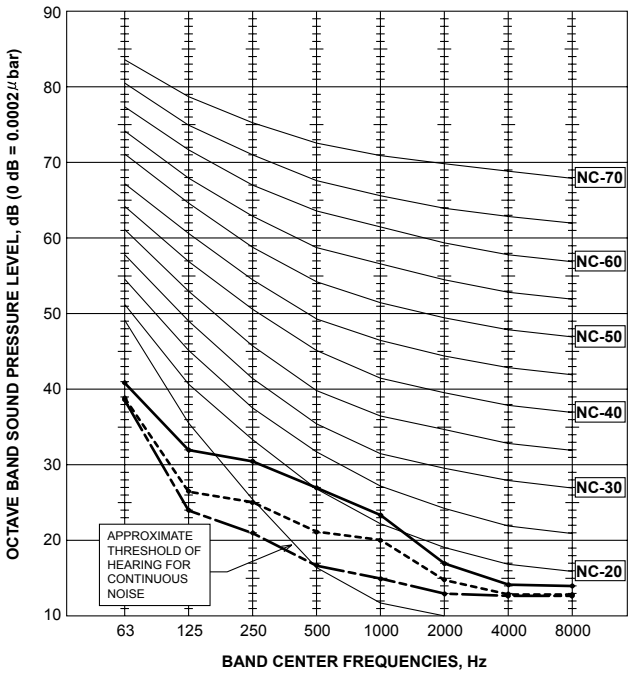
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

NOISE CRITERION CURVES

SEZ-KD25VA(L)/VAQ

External static pressure: 5Pa

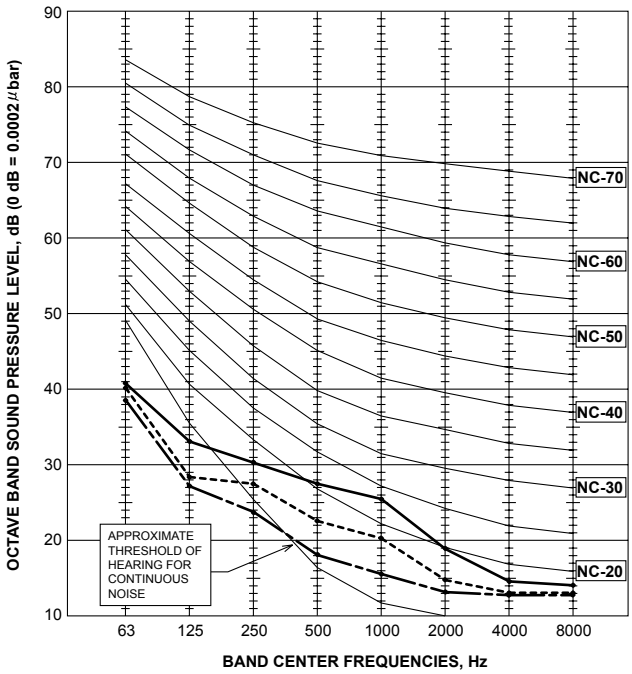
NOTCH	SPL(dB)	LINE
High	29	
Middle	25	
Low	22	



SEZ-KD25VA(L)/VAQ

External static pressure: 15Pa

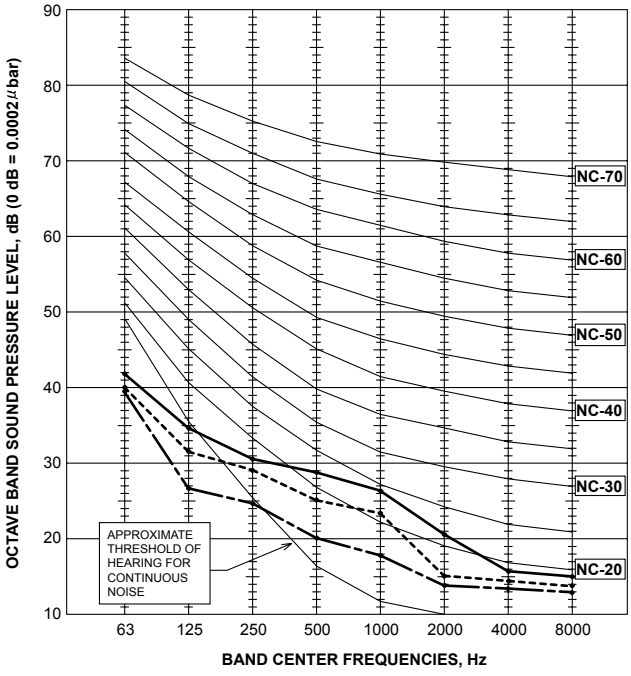
NOTCH	SPL(dB)	LINE
High	30	
Middle	26	
Low	23	



SEZ-KD25VA(L)/VAQ

External static pressure: 35Pa

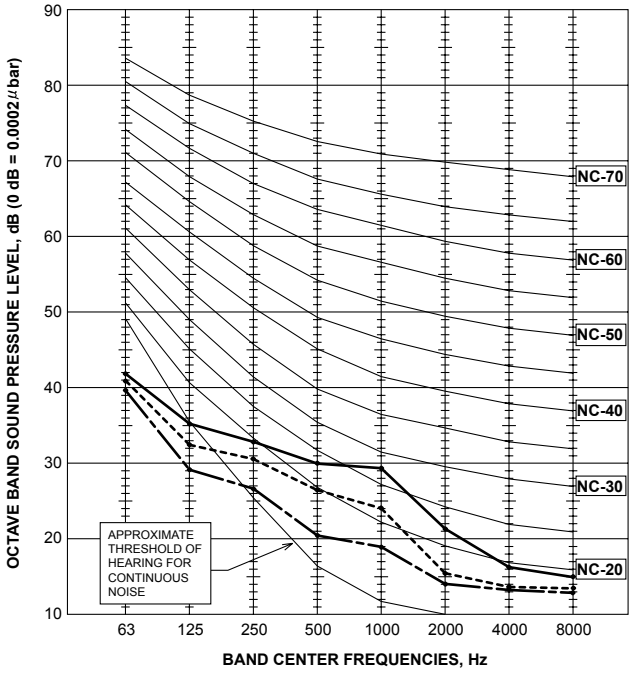
NOTCH	SPL(dB)	LINE
High	31	
Middle	28	
Low	24	



SEZ-KD25VA(L)/VAQ

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	33	
Middle	29	
Low	25	

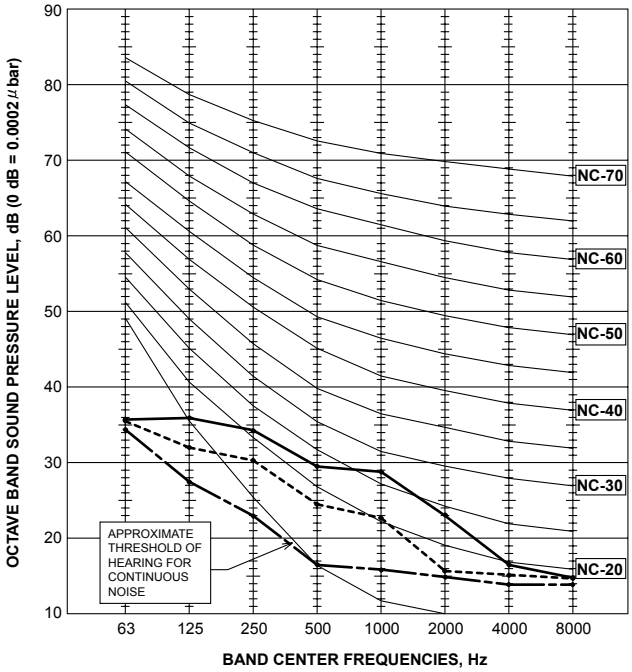


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD35VA(L)/VAQ

External static pressure: 5Pa

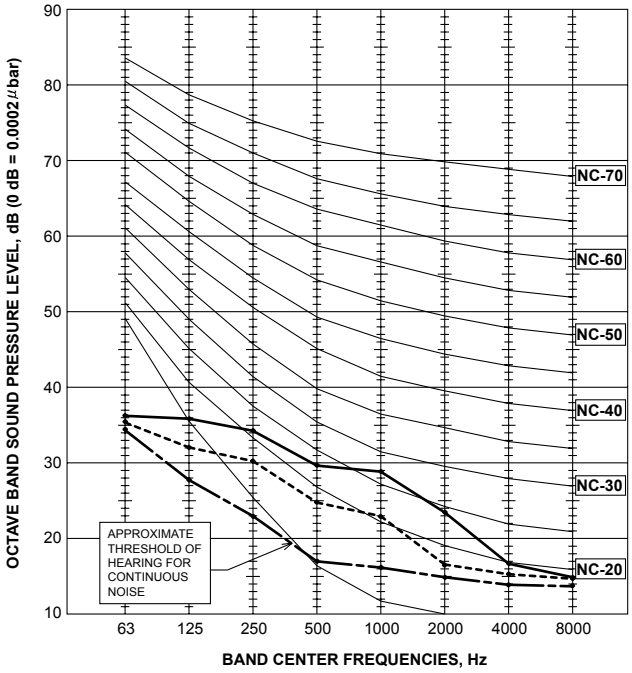
NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	



SEZ-KD35VA(L)/VAQ

External static pressure: 15Pa

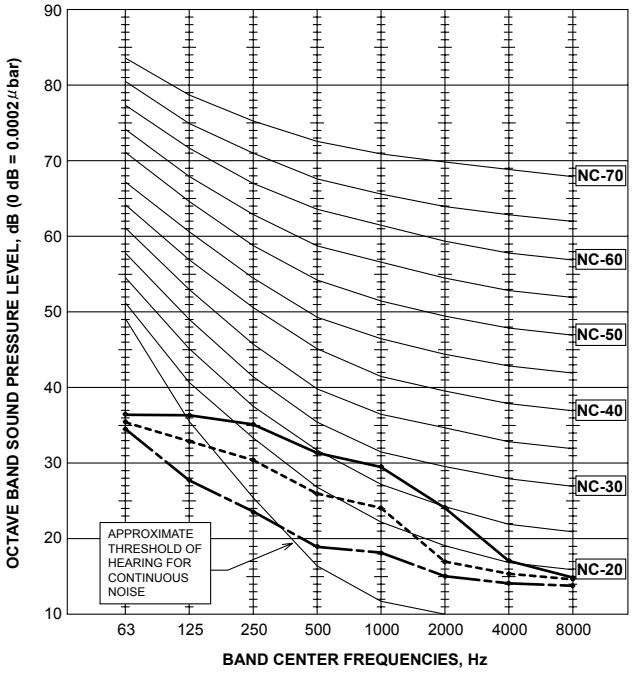
NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	



SEZ-KD35VA(L)/VAQ

External static pressure: 35Pa

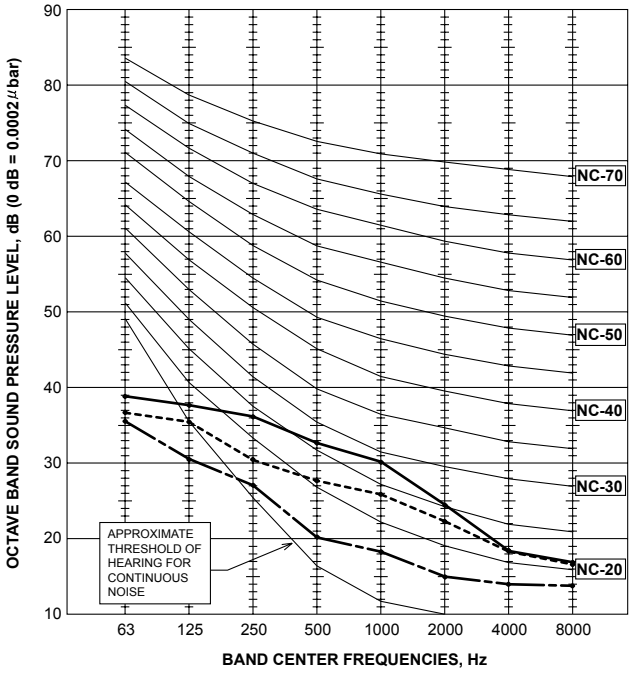
NOTCH	SPL(dB)	LINE
High	34	
Middle	29	
Low	24	



SEZ-KD35VA(L)/VAQ

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	35	
Middle	31	
Low	25	

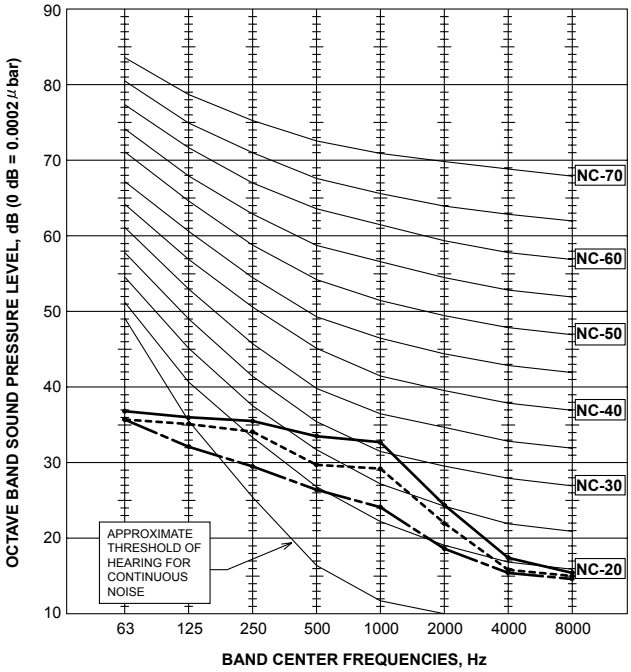


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD50VA(L)/VAQ

External static pressure: 5Pa

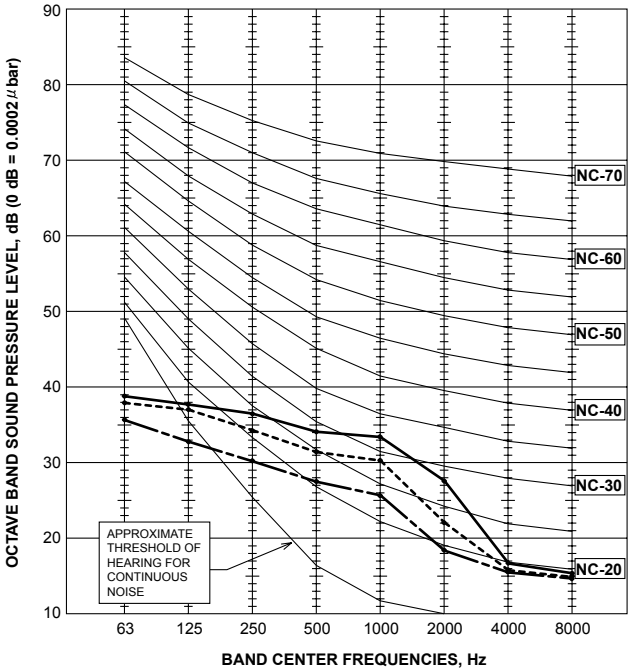
NOTCH	SPL(dB)	LINE
High	36	
Middle	33	
Low	29	



SEZ-KD50VA(L)/VAQ

External static pressure: 15Pa

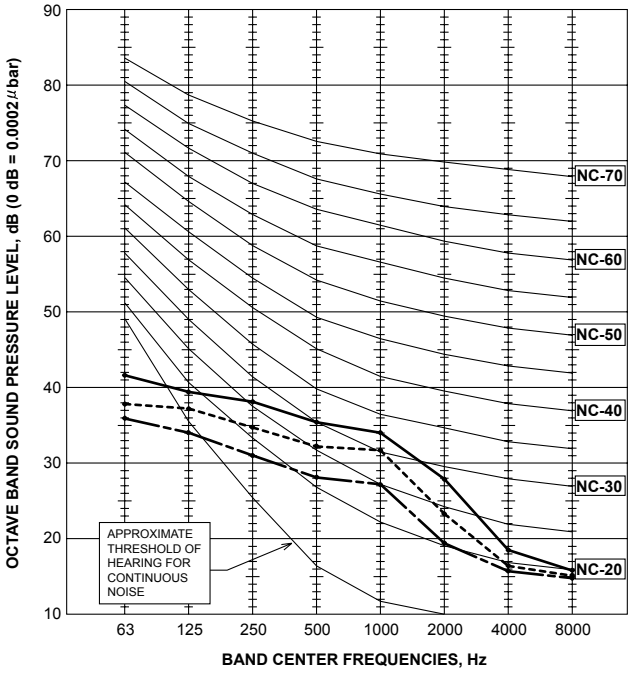
NOTCH	SPL(dB)	LINE
High	37	
Middle	34	
Low	30	



SEZ-KD50VA(L)/VAQ

External static pressure: 35Pa

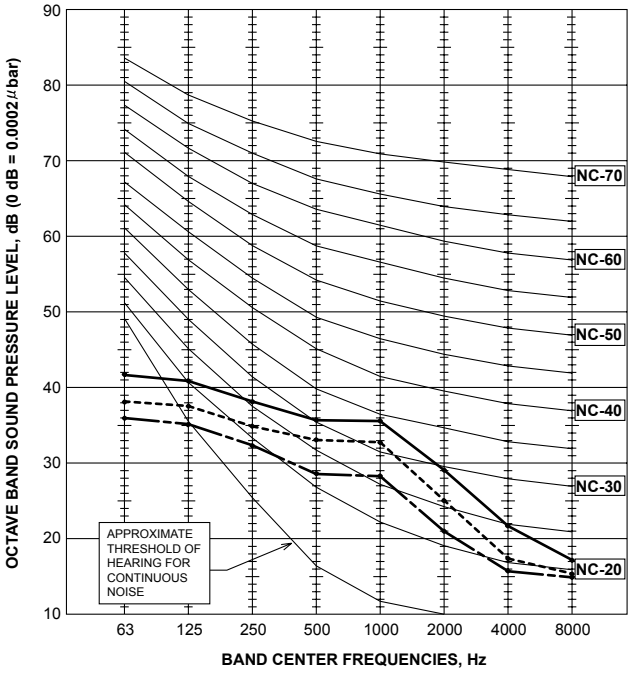
NOTCH	SPL(dB)	LINE
High	38	
Middle	35	
Low	31	



SEZ-KD50VA(L)/VAQ

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	

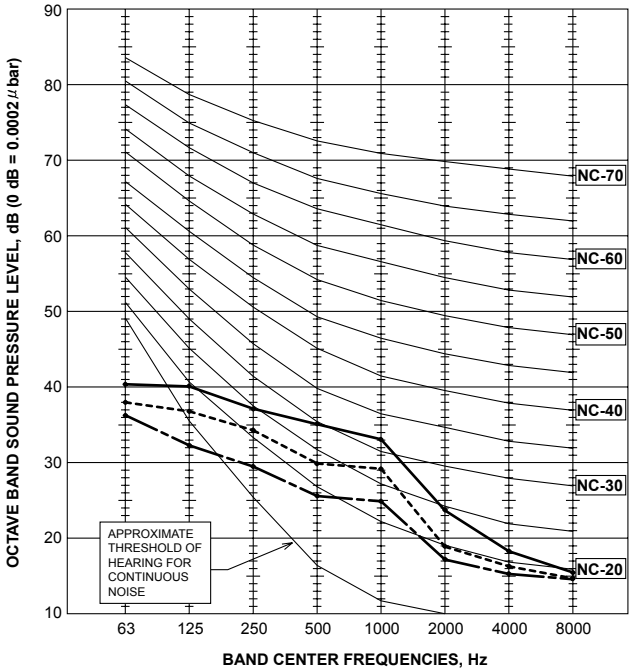


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD60VA(L)/VAQ

External static pressure: 5Pa

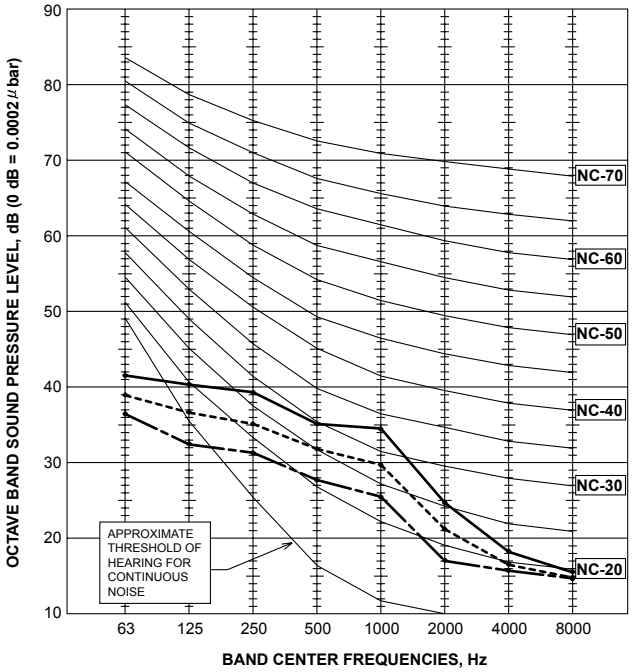
NOTCH	SPL(dB)	LINE
High	37	
Middle	33	
Low	29	



SEZ-KD60VA(L)/VAQ

External static pressure: 15Pa

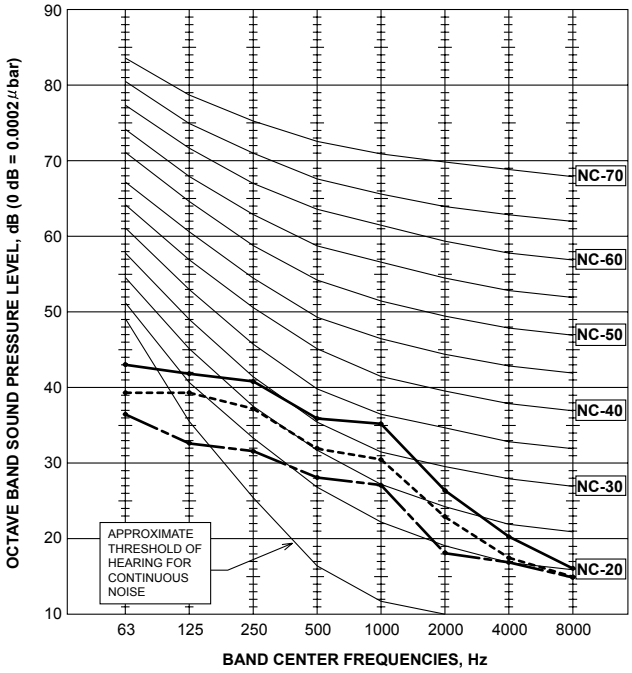
NOTCH	SPL(dB)	LINE
High	38	
Middle	34	
Low	30	



SEZ-KD60VA(L)/VAQ

External static pressure: 35Pa

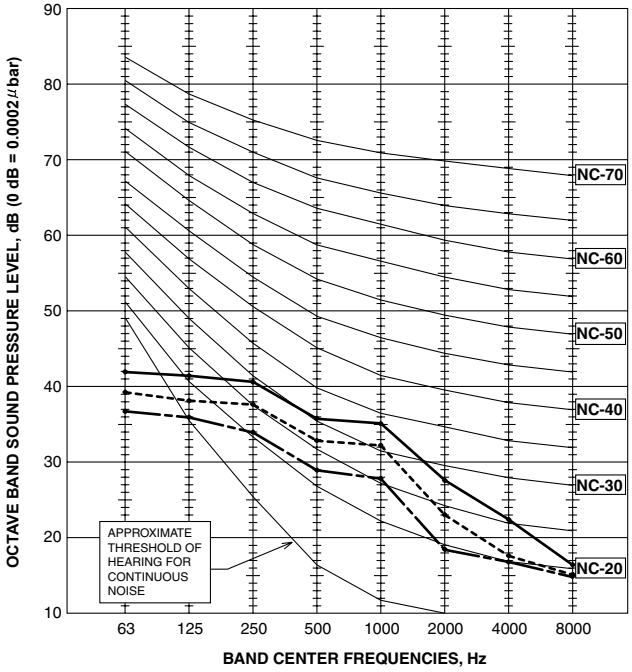
NOTCH	SPL(dB)	LINE
High	39	
Middle	35	
Low	31	



SEZ-KD60VA(L)/VAQ

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	

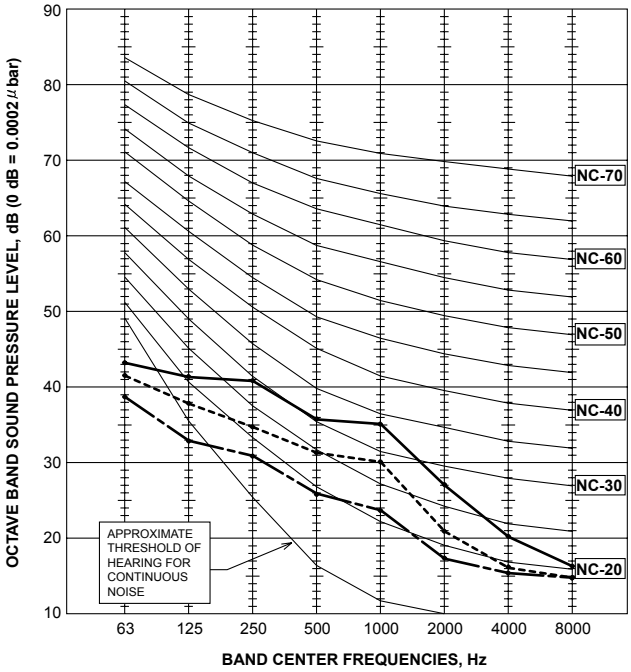


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-KD71VA(L)/VAQ

External static pressure: 5Pa

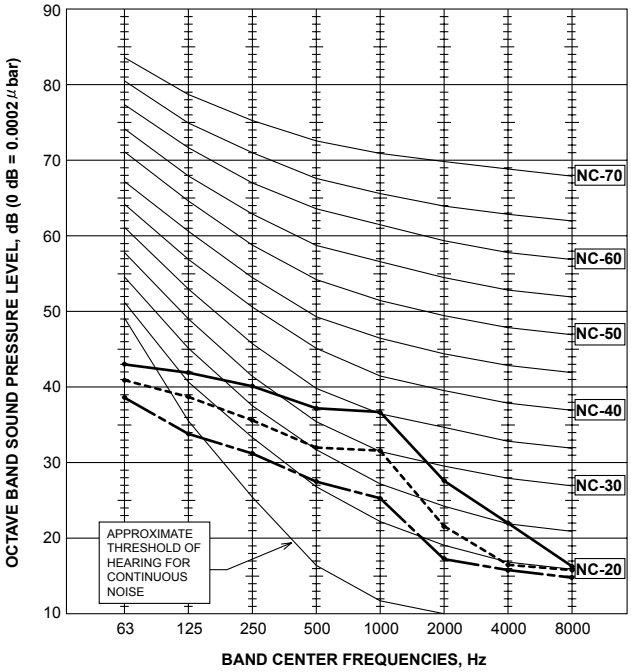
NOTCH	SPL(dB)	LINE
High	39	
Middle	34	
Low	29	



SEZ-KD71VA(L)/VAQ

External static pressure: 15Pa

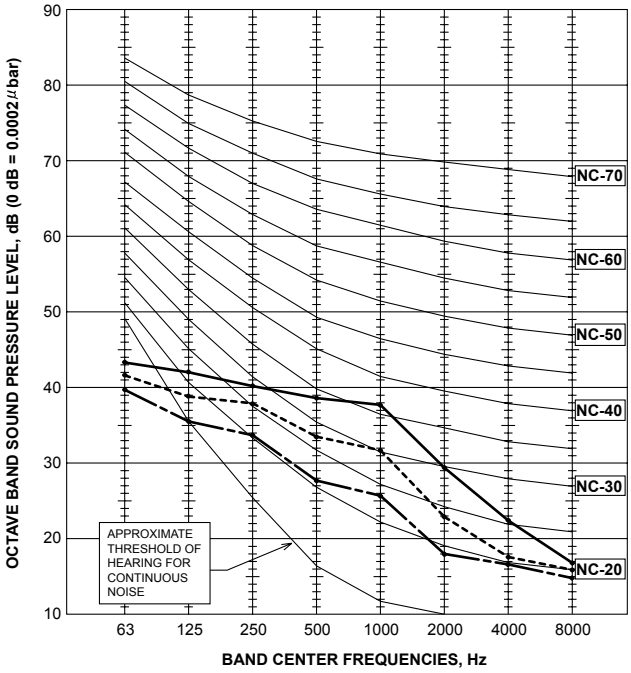
NOTCH	SPL(dB)	LINE
High	40	
Middle	35	
Low	30	



SEZ-KD71VA(L)/VAQ

External static pressure: 35Pa

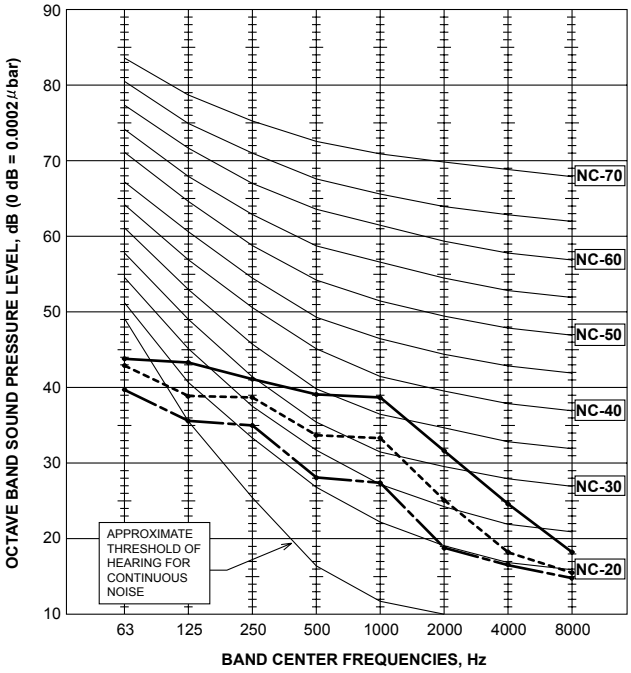
NOTCH	SPL(dB)	LINE
High	41	
Middle	36	
Low	31	



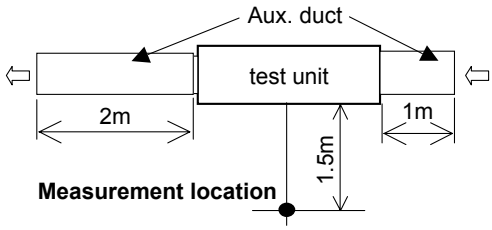
SEZ-KD71VA(L)/VAQ

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	42	
Middle	37	
Low	32	

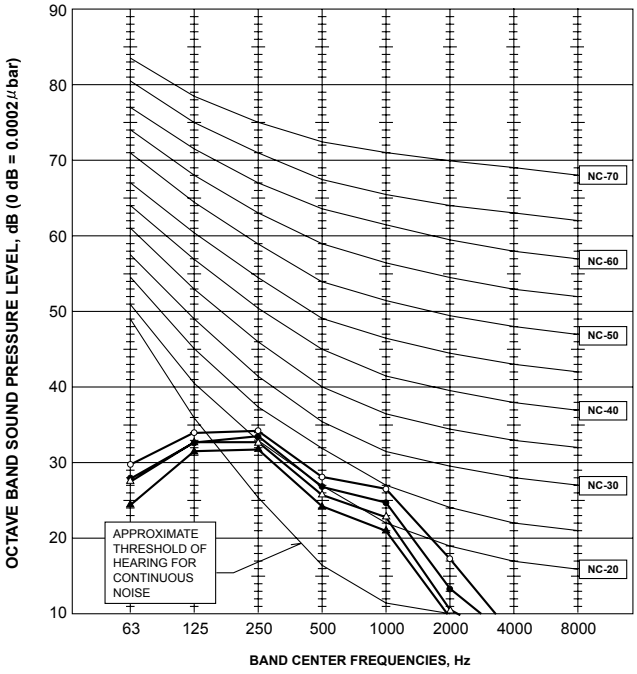


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.



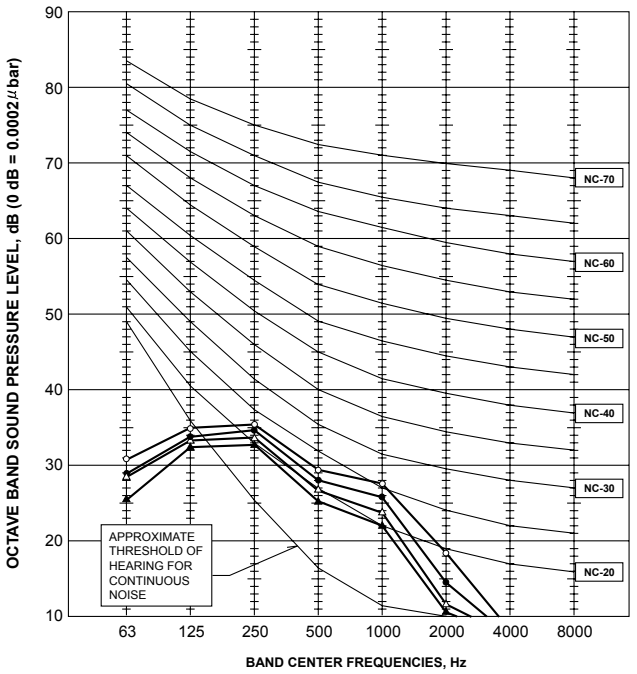
PLA-RP35BA

NOTCH	SPL(dB)	LINE
High	31	
Medium1	29	
Medium2	28	
Low	27	



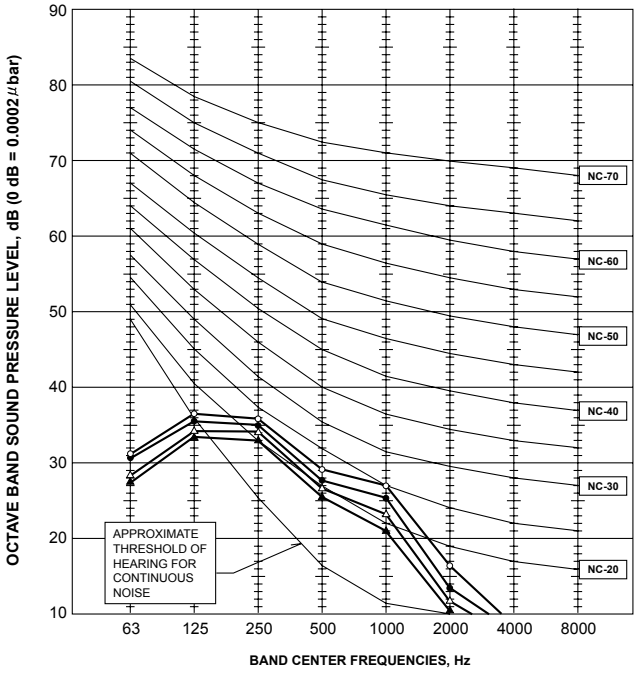
PLA-RP50BA

NOTCH	SPL(dB)	LINE
High	32	
Medium1	31	
Medium2	29	
Low	28	



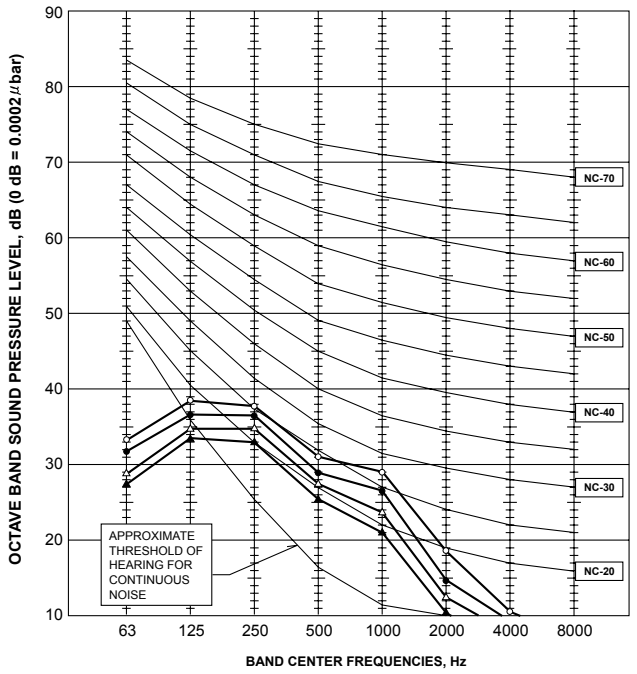
PLA-RP60BA

NOTCH	SPL(dB)	LINE
High	32	
Medium1	31	
Medium2	29	
Low	28	



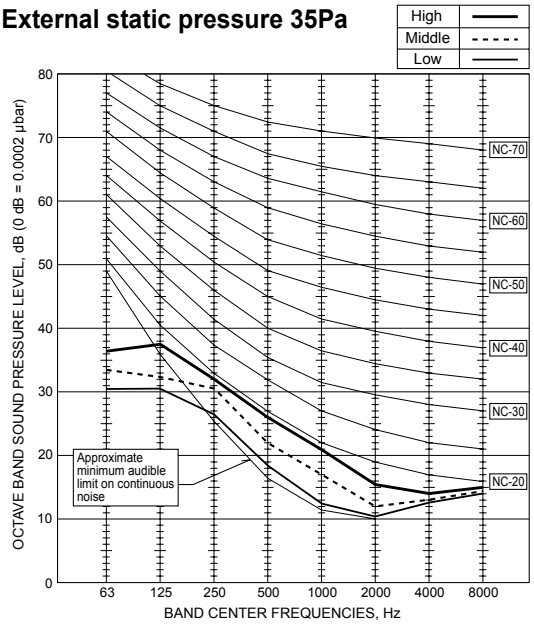
PLA-RP71BA
PLA-RP71BA2

NOTCH	SPL(dB)	LINE
High	34	
Medium1	32	
Medium2	30	
Low	28	

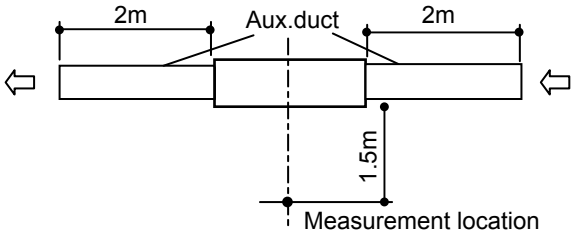


PEAD-RP35JA(L)(Q)

External static pressure 35Pa



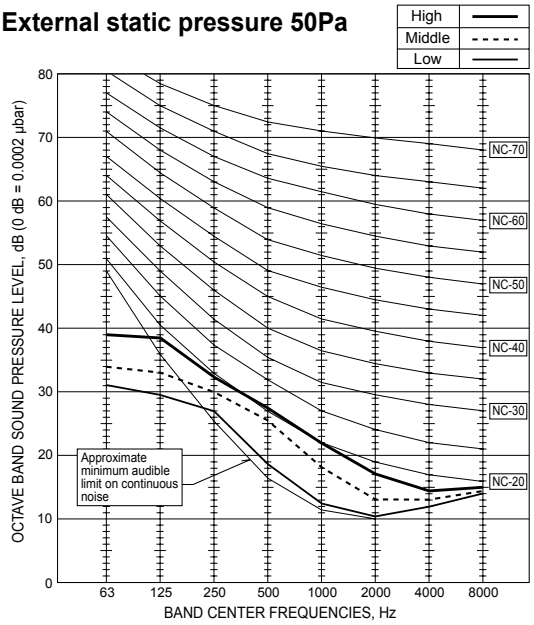
Ceiling concealed



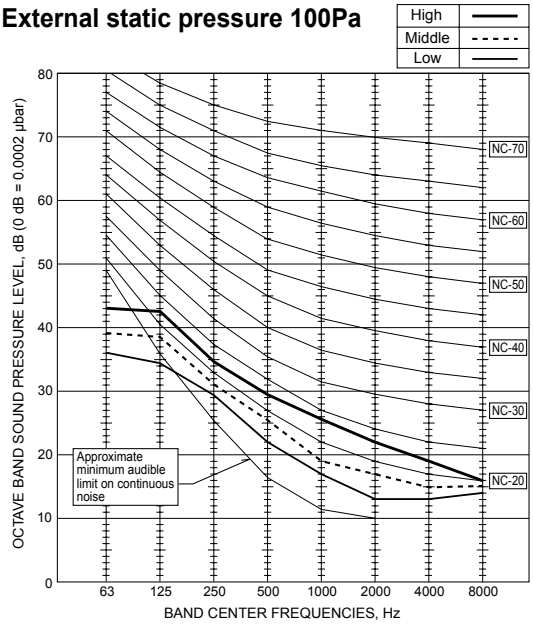
Noise level at anechoic room (Low-Middle-High) Unit: dB(A)

Model	Exrernal static pressure				
	35Pa	50Pa	70Pa	100Pa	150Pa
PEAD-RP35JA(L)(Q)	23-26-29	23-27-30	24-28-31	26-29-33	29-33-37
PEAD-RP50JA(L)(Q)	25-30-34	26-31-35	28-32-36	29-33-37	31-35-39
PEAD-RP60JA(L)(Q)	25-28-32	25-29-33	26-30-34	27-31-35	29-34-38
PEAD-RP71JA(L)(Q)	25-29-34	26-30-34	27-31-35	28-32-36	30-35-39

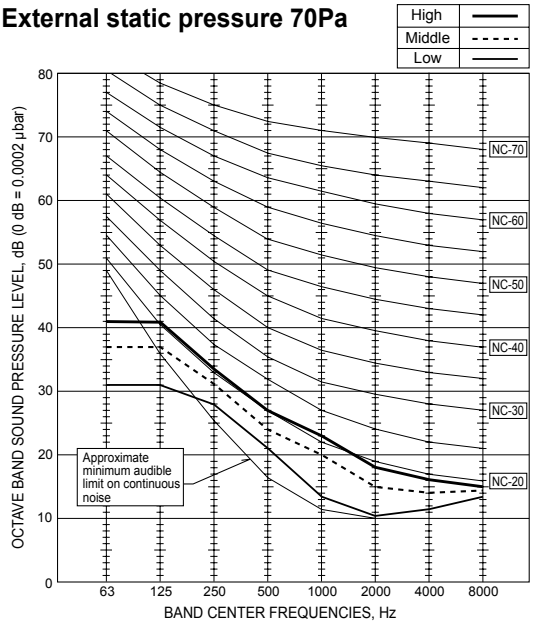
External static pressure 50Pa



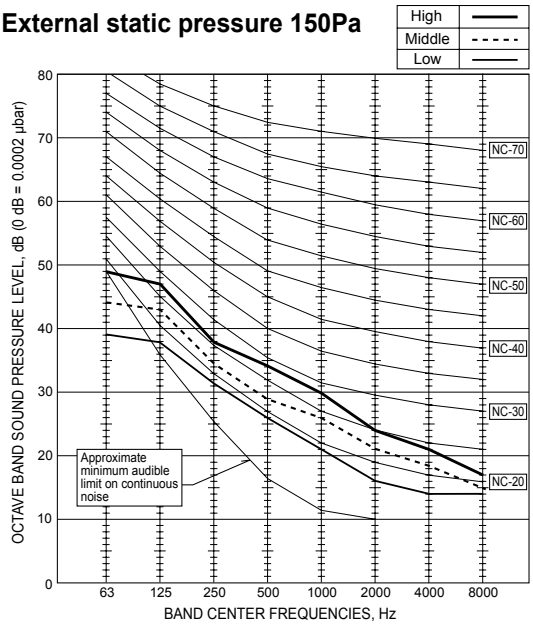
External static pressure 100Pa



External static pressure 70Pa

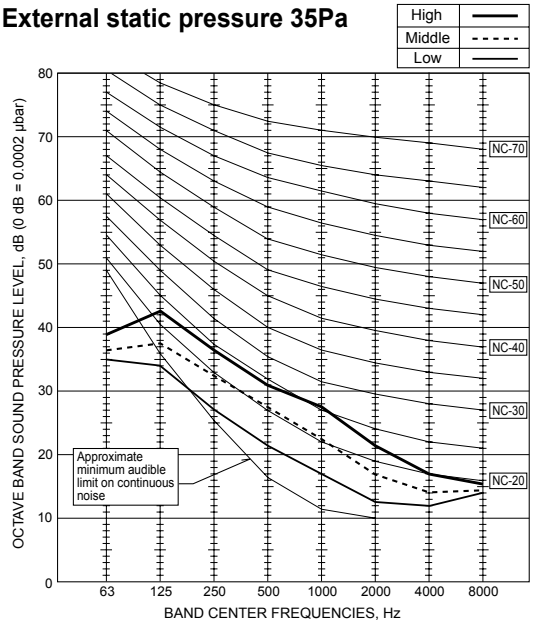


External static pressure 150Pa

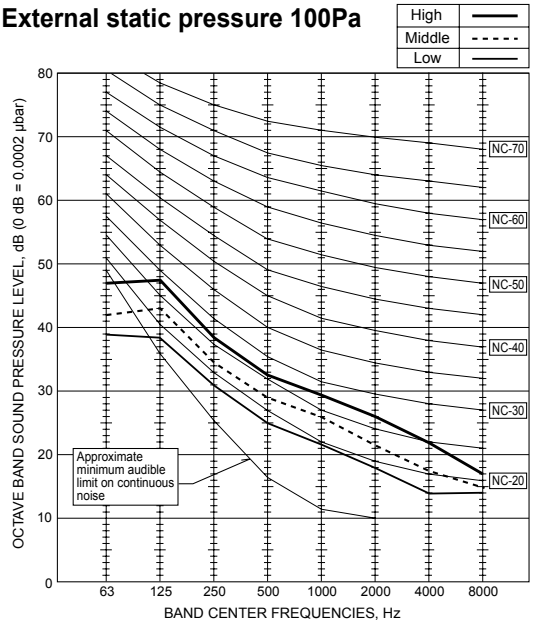


PEAD-RP50JA(L)(Q)

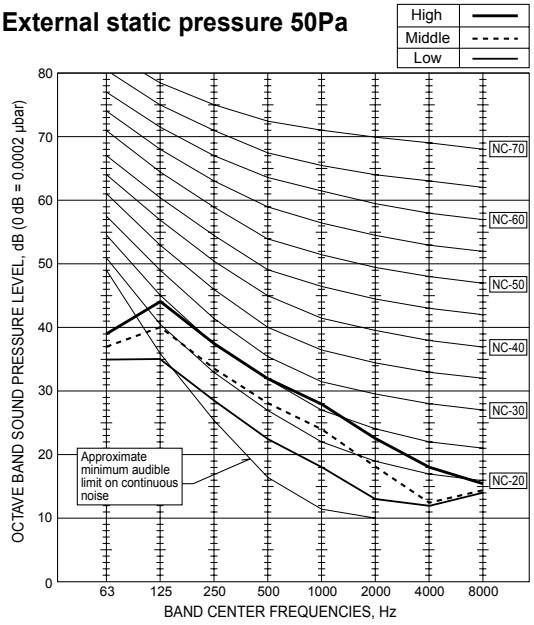
External static pressure 35Pa



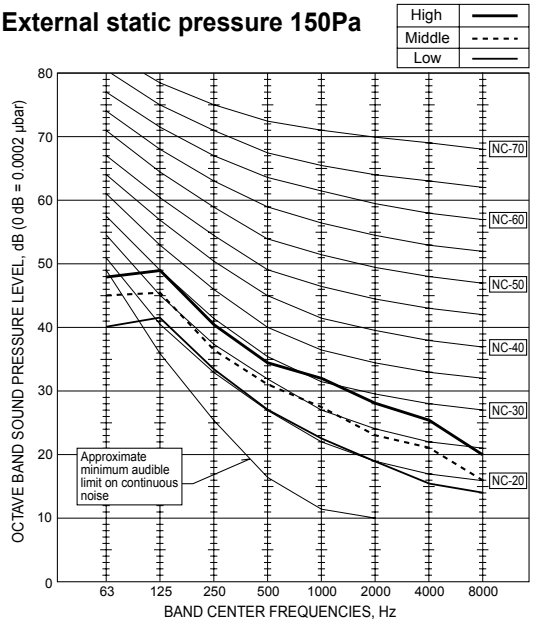
External static pressure 100Pa



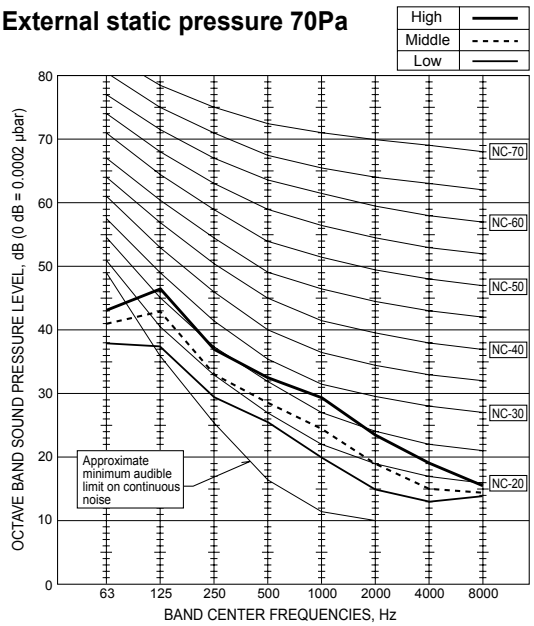
External static pressure 50Pa



External static pressure 150Pa

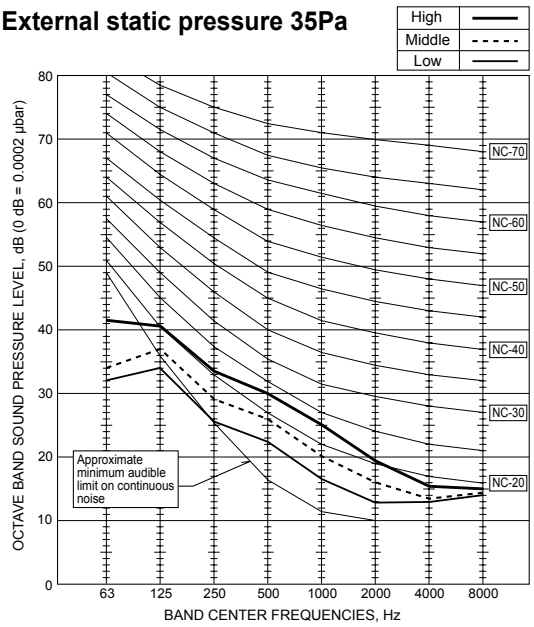


External static pressure 70Pa

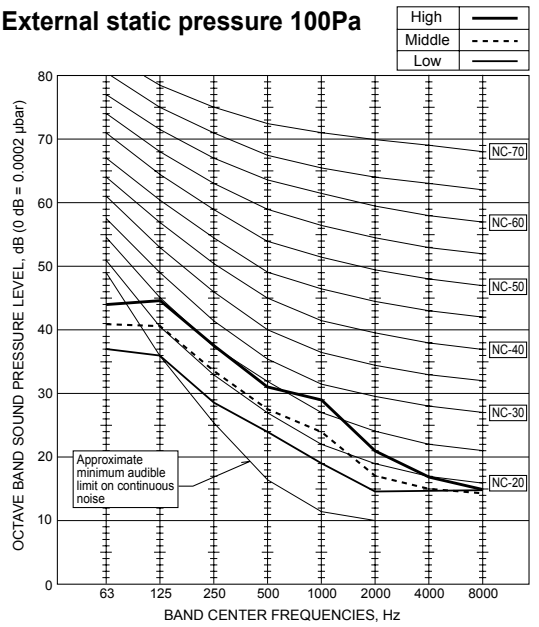


PEAD-RP60JA(L)(Q)

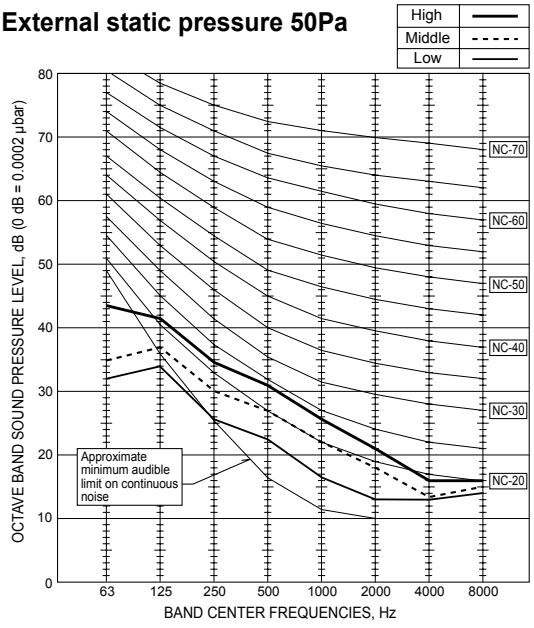
External static pressure 35Pa



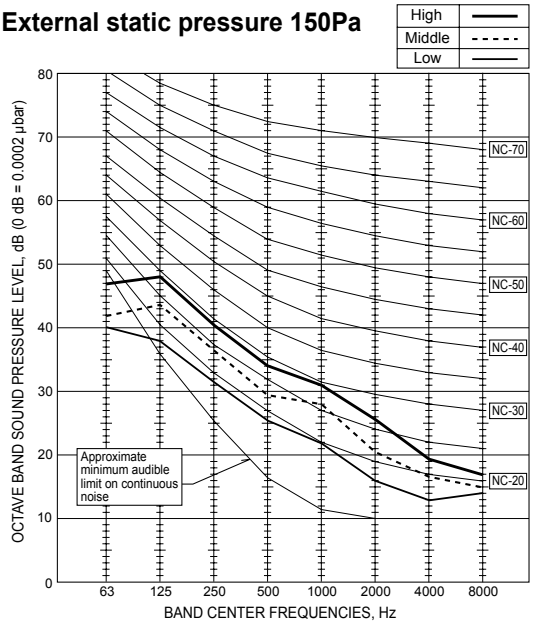
External static pressure 100Pa



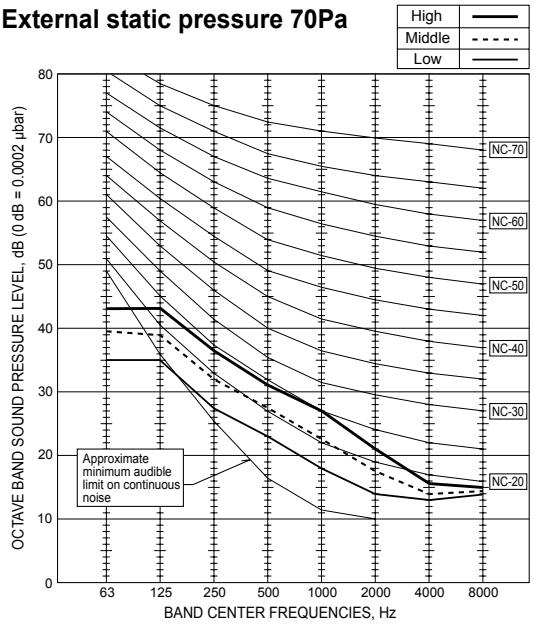
External static pressure 50Pa



External static pressure 150Pa

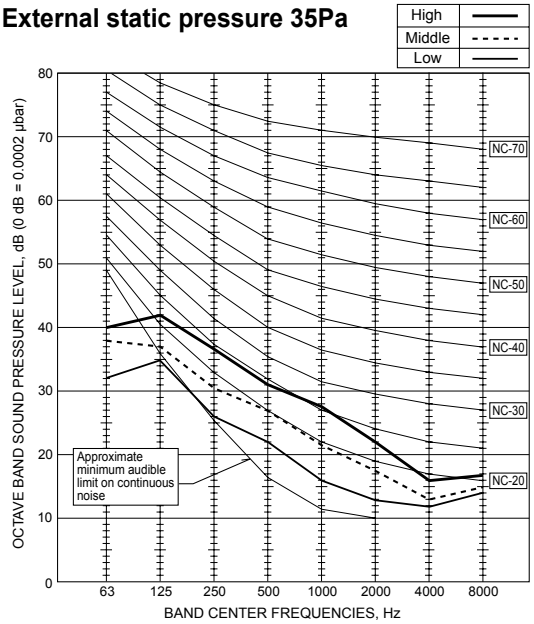


External static pressure 70Pa

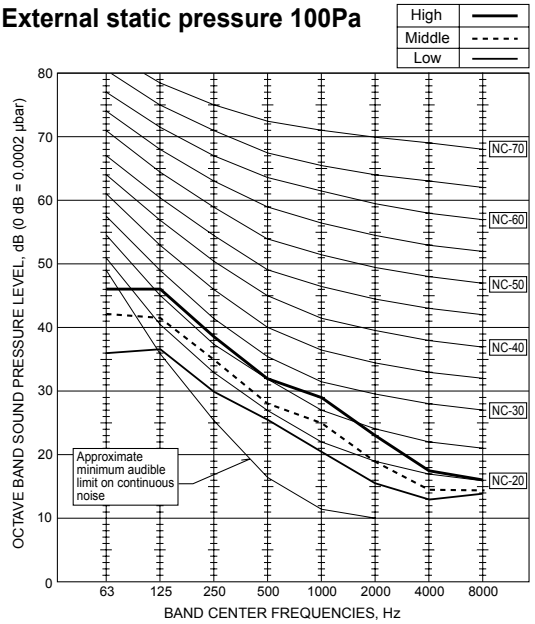


PEAD-RP71JA(L)(Q)

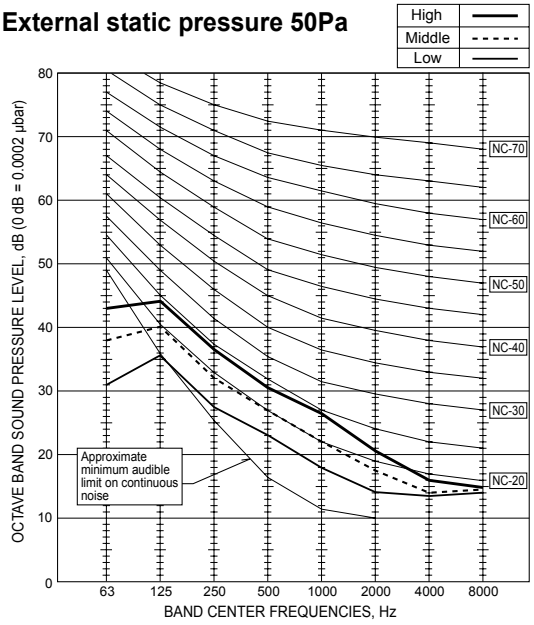
External static pressure 35Pa



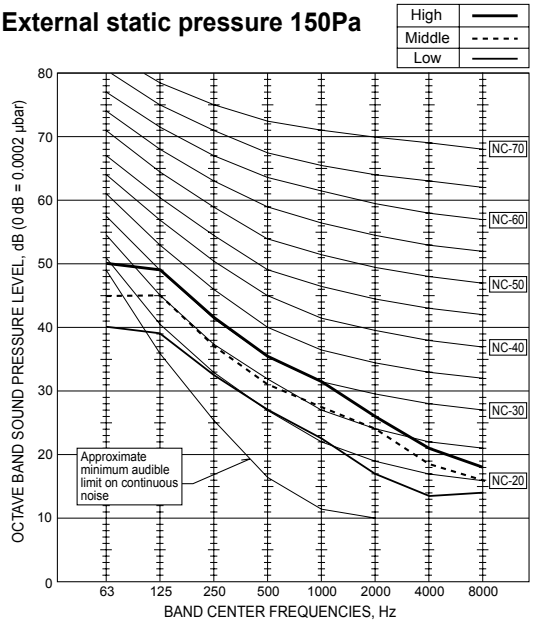
External static pressure 100Pa



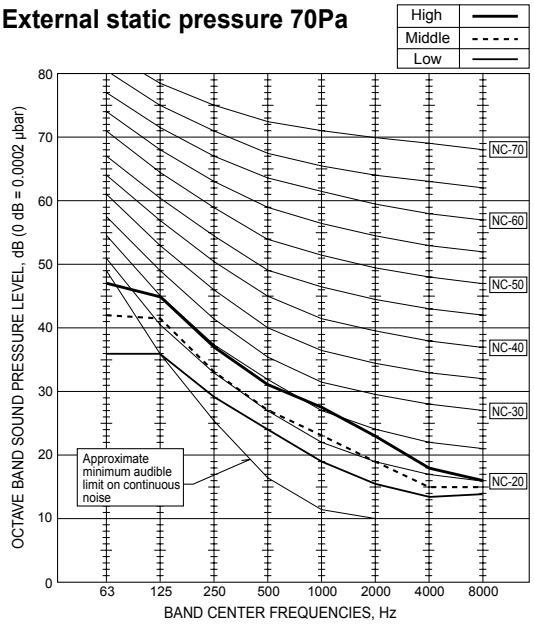
External static pressure 50Pa



External static pressure 150Pa

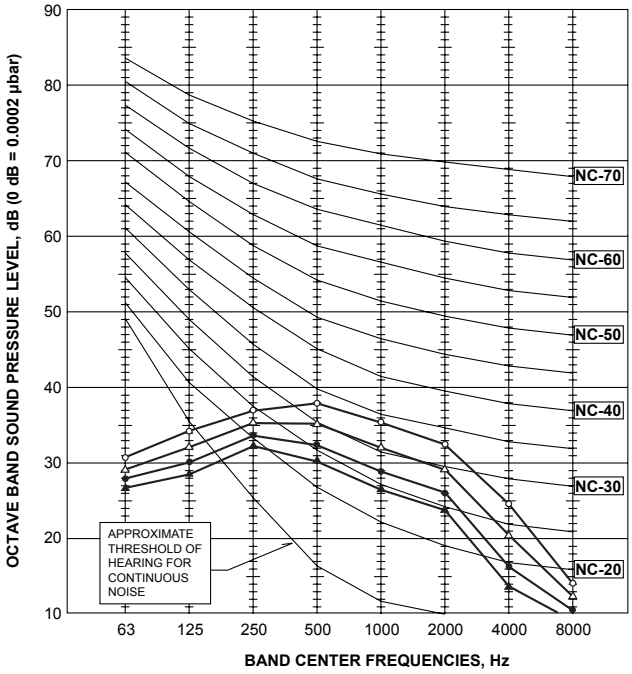


External static pressure 70Pa



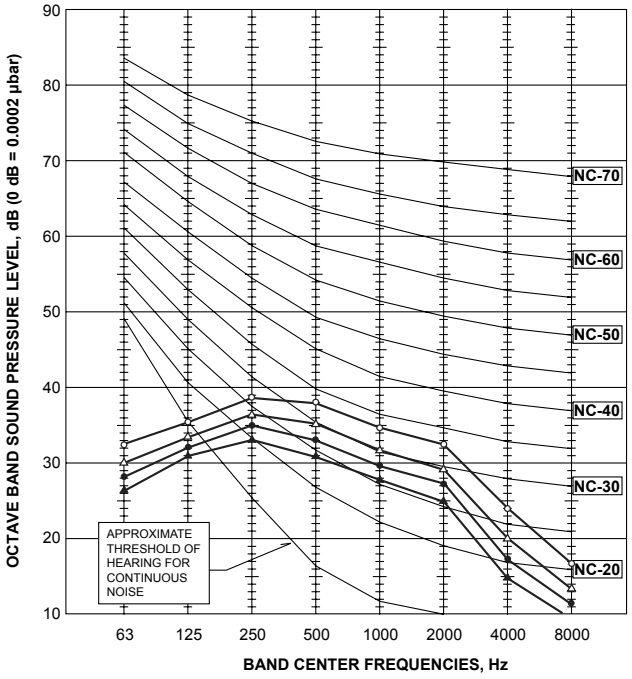
PCA-RP50KA(Q)

NOTCH	SPL(dB)	LINE
High	40	○—○
Medium1	37	△—△
Medium2	34	●—●
Low	32	▲—▲



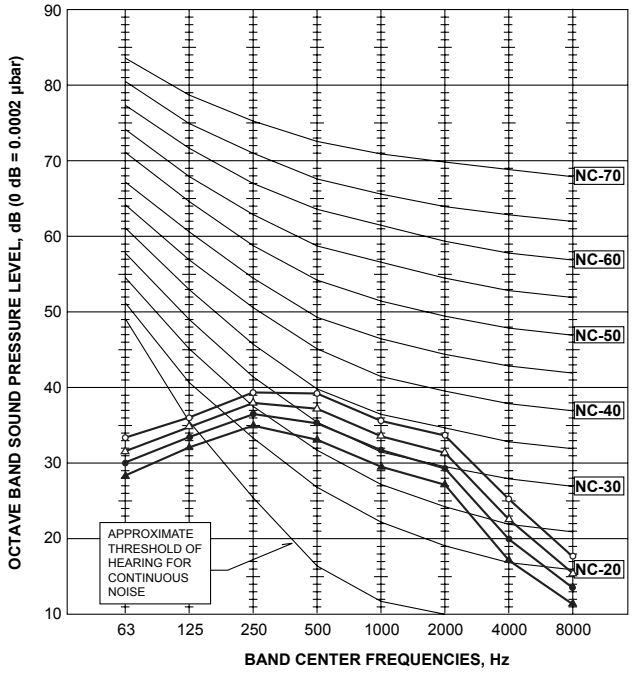
PCA-RP60KA(Q)

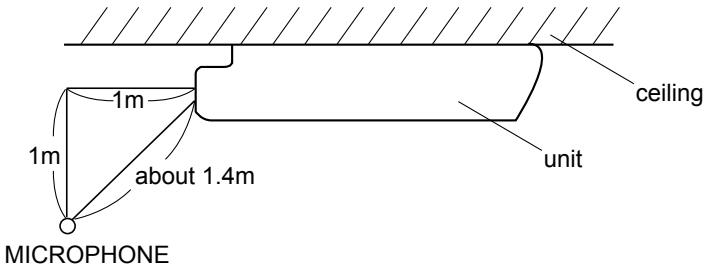
NOTCH	SPL(dB)	LINE
High	40	○—○
Medium1	37	△—△
Medium2	35	●—●
Low	33	▲—▲



PCA-RP71KA(Q)

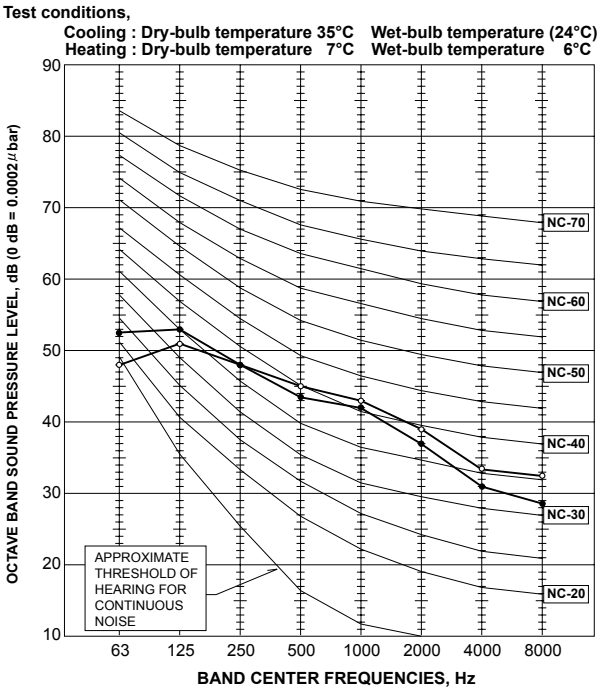
NOTCH	SPL(dB)	LINE
High	41	○—○
Medium1	39	△—△
Medium2	37	●—●
Low	35	▲—▲





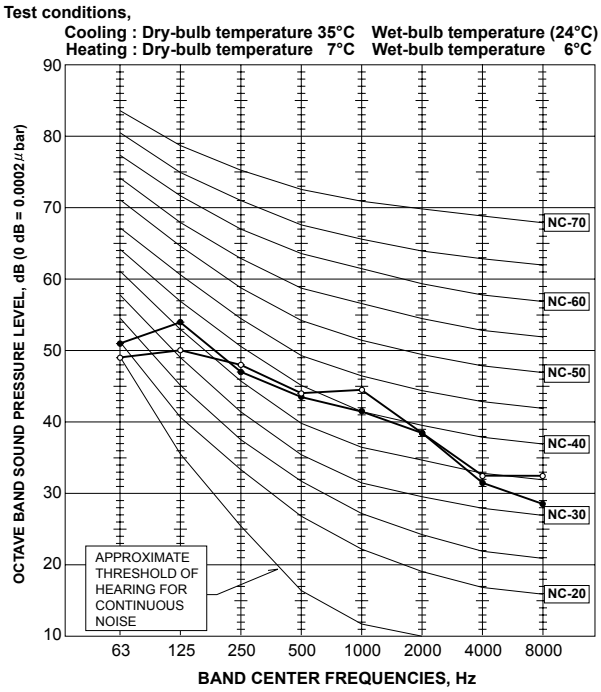
SUZ-KA25VA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	46	●——●
	HEATING	46	○——○



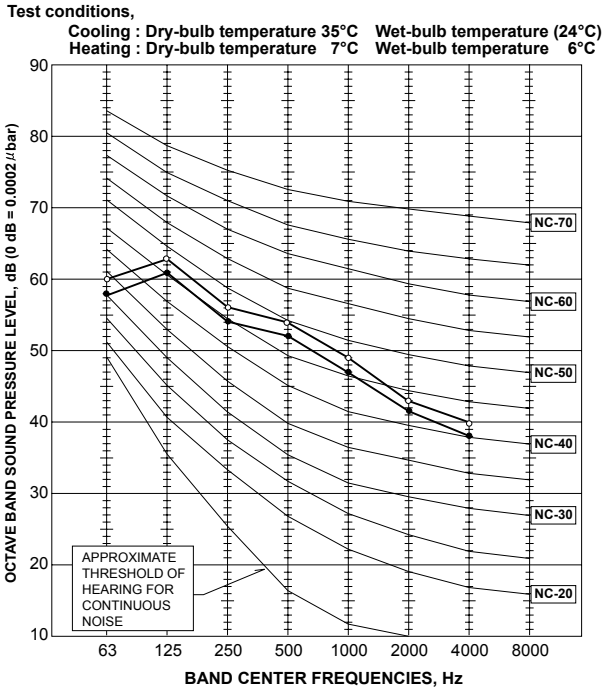
SUZ-KA35VA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	47	●——●
	HEATING	48	○——○



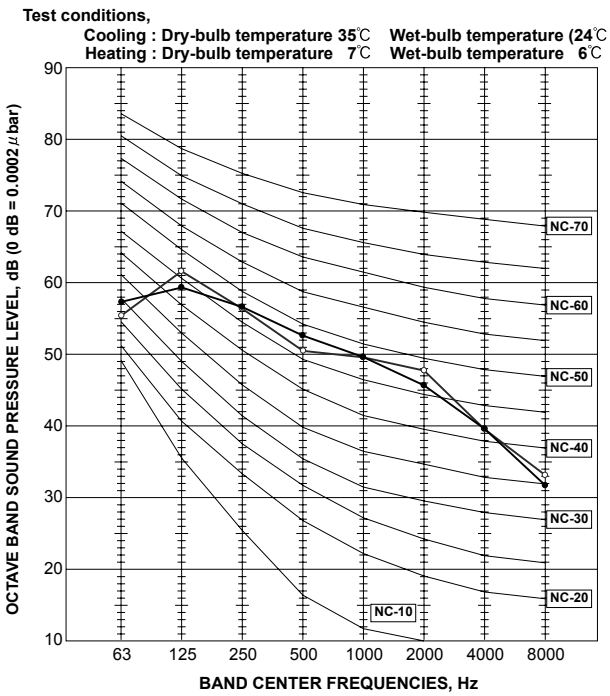
SUZ-KA50VA2
SUZ-KA60VA2

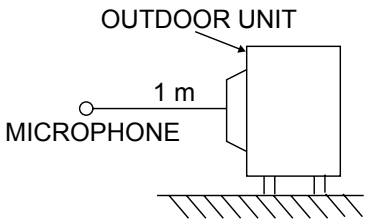
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	53	●——●
	HEATING	55	○——○



SUZ-KA71VA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	55	●——●
	HEATING	55	○——○





10 OPTIONAL PARTS

INDOOR UNIT

Part Name	Model Name	Applicable model
Remote sensor	PAC-SE41TS-E	All models except MFZ-KA·VA
Multiple remote controller adapter	PAC-SA88HA-E(1pc.)	
	PAC-725AD(10pcs.)	
Remote on/off adapter	PAC-SE55RA-E	
Remote operation adapter	PAC-SF40RM-E	All models excpet wireless remote controller use model
MA & contact terminal interface	MAC-397IF-E	All models
Anti-allergy enzyme filter(Air cleaning filter)	MAC-415FT-E	MFZ-KA·VA
Drain pump	PAC-KE07DM-E	SEZ-KD·VA(L)/VAQ
Wired remote controller	PAR-30MAA, PAR-21MAA	All models
Decoration panel	PLP-6BA	PLA-RP·BA(2)
Decoration panel with wireless remote controller	PLP-6BALM	
Decoration panel with wired remote controller	PLP-6BAM	
Automatic filter elevation panel	PLP-6BAJ	
i-see sensor corner panel	PAC-SA1ME-E	
Wireless signal receiver	PAR-SA9FA-E	
Space panel	PAC-SH48AS-E	
Air outlet shutter plate	PAC-SH51SP-E	
Multi-function casement	PAC-SH53TM-E	
Flange for fresh air intake	PAC-SH65OF-E	
High-efficiency filter element (PAC-SH53TM-E is needed.)	PAC-SH59KF-E	
Wireless remote controller kit	PAR-SL94B-E	PCA-RP·KA(Q)
Drain pump	PAC-SH83DM-E	PCA-RP50KA(Q)
	PAC-SH85DM-E	PCA-RP60KA(Q)
	PAC-SH84DM-E	PCA-RP71KA(Q)
High-efficiency filter	PAC-SH88KF-E	PCA-RP50KA(Q)
	PAC-SH89KF-E	PCA-RP60, 71KA(Q)
Filter box	PAC-KE92TB-E	PEAD-RP35, 50JA(L)(Q)
	PAC-KE93TB-E	PEAD-RP60, 71JA(L)(Q)

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